



May 27, 2005

Mr. Harry Nguyen
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Submittal of 2nd Quarter 2005 Groundwater Monitoring and Progress Report

Site: Chevron Service Station No. 9-0857
1790 Long Beach Boulevard, Long Beach, California
RWQCB Case No. 908130316

Dear Mr. Nguyen:

On behalf of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) has prepared the attached 2nd Quarter 2005 Progress Report for the above-referenced site. Work conducted this quarter included groundwater monitoring by Chevron's subcontractor, Blaine Tech, Inc. Electronic Deliverable Format (EDF) files have been uploaded to the State Water Resources Board Geotracker website.

If you have any questions or require additional information, please contact Mr. Daryl Pessler, the SAIC Project Manager, at (714) 257-6404, or Mr. Y.M. Tuan, the CEMC Project Manager, at (714) 671-3373.

Yours very truly,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Karen Simons
Project Scientist

T. Michael Pendergrass
Professional Geologist No. 5685



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cc: Mr. Y. M. Tuan, CEMC
SAIC Project File

This report is based upon records and verbal and written information made available to SAIC by CEMC and its subcontractors. Because the investigation consisted of collecting and evaluating a limited supply of information, SAIC may not have identified all potential items of concern and, therefore, SAIC warrants only that the project activities under this contract have been performed within the parameters and scope communicated by CEMC and reflected in the contract. SAIC has made no independent investigations concerning the accuracy or completeness of the information relied upon. This report is intended to be used in its entirety. Taking or using in any way excerpts from this report are not permitted and any party doing so does so at its own risk.

ATTACHMENT 1

2nd QUARTER 2005 PROGRESS REPORT

1. SITE INFORMATION:

- RWQCB Case No.
- Site Name
- Address
- City

908130316
Chevron Service Station No. 9-0857
1790 Long Beach Boulevard
Long Beach, California

2. RESPONSIBLE PARTY INFORMATION:

- Contact
- Company
- Address
- City / Zip
- Phone

Mr. Y. M. Tuan
Chevron Environmental Management Company
P.O. Box 2292
Brea, California 92822-2292
714 – 671-3373

3. CONSULTANT INFORMATION:

- Contact
- Company
- Address
- City / Zip
- Phone

Mr. Daryl Pessler
Science Applications International Corporation
570 W. Central Avenue, Suite A
Brea, California 92821
714 – 257-6404

4. WORK PERFORMED THIS QUARTER:

- Groundwater monitoring

5. WORK PROPOSED FOR NEXT QUARTER:

- Groundwater monitoring
- Submittal of formal closure request

6. CURRENT PHASE OF PROJECT (Initial Assessment, Additional Assessment, CAP, Remediation, Post-Remediation Monitoring, etc.):

- Groundwater monitoring

7. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES TO BE IMPLEMENTED IN THE FUTURE AND INCLUDE TIME SCHEDULE FOR THE INITIATION OF THE ASSOCIATED ACTIVITIES (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- None at this time

8. CURRENTLY MONITORING (Soil, Groundwater, None):

- Groundwater

9. MONITORING FREQUENCY (Quarterly, Monthly, etc.):

- Quarterly

10. DESCRIBE CORRECTIVE AND REMEDIAL TECHNIQUES, INCLUDING INVESTIGATIONS, IMPLEMENTED TO DATE WHICH WERE UNDERTAKEN TO DETERMINE THE NATURE AND EXTENT OF SOIL, GROUNDWATER, OR SURFACE WATER CONTAMINATION (NAPL Removal, Pump and Treat, VES, Excavation, etc.):

- Site assessment
- UST removal
- Baseline site assessment
- Groundwater monitoring
- Additional site assessment
- Vapor extraction

11. CUMULATIVE SOIL REMOVED TO DATE (cubic yards):

- None

12. SOIL REMOVED THIS QUARTER (cubic yards):

- None

13. ARE CONTAMINATED SOILS OR LIQUIDS GENERATED FROM INVESTIGATIONS OR CLEANUPS CURRENTLY STORED ON SITE?

- No
 - Date generated
 - How much?
- N/A
N/A

ATTACHMENT 2

2nd QUARTER 2005 GROUNDWATER SUMMARY

GROUNDWATER MONITORING SUMMARY

CURRENT FIELD ACTIVITIES

Groundwater monitoring frequency:	Quarterly
Activity date:	4/7/2005
Field subcontractor:	Blaine Tech Services, Inc.
Purging method:	Submersible pump
Purging subcontractor:	Blaine Tech Services, Inc.
Disposal method/facility:	Phillips Services Corporation/ US Filters
Gallons of groundwater purged:	Approximately 237
Number of groundwater wells total:	7
Number of groundwater wells offsite:	2
Number of wells sampled this period:	7
Number of wells with NAPL:	0
Cumulative NAPL recovered to date (gallons):	None
NAPL recovered this quarter (gallons):	None

SITE HYDROLOGY

Average groundwater elevation (of wells gauged):	3.12 feet above MSL
Groundwater elevation change from previous quarter:	+ 0.76 foot
Approximate groundwater flow direction:	South and East
Approximate hydraulic gradient:	0.001 to 0.005 ft/ft

GROUNDWATER CONDITIONS

Maximum benzene concentration:	49 µg/L – MW-6
Minimum benzene concentration:	ND<1 µg/L – Five wells
Historical maximum benzene concentration:	3,500 µg/L – MW-4 (10/31/92)
Maximum MtBE concentration:	39 µg/L – MW-2
Minimum MtBE concentration:	2.6 J µg/L – MW-8
Historical maximum MtBE concentration:	8,000 µg/L – MW-6 (1/10/00: 8021B) 7,220 µg/L – VS-4 (4/11/02: 8260B)

GROUNDWATER TRENDS AND OBSERVATIONS

- ETBE, DIPE, and TAME were not detected in any wells this quarter. TBA was detected in six wells at a maximum concentration of 260 µg/L in MW-6.
- TPHg was detected in MW-5 (200 µg/L) and MW-6 (1,400 µg/L).
- MtBE is on a decreasing trend in all wells, with concentrations in all wells below 100 µg/L for the last four consecutive quarters.
- The rise in groundwater elevation caused by recent rains has also resulted in a shift of groundwater gradient from mostly north during the 4th quarter 2004 sampling event to south and east again this quarter.

ATTACHMENT 3

TABLES

Table 1. Current Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-2	4/7/2005	30.88	27.61	3.27	46.58	ND<50	ND<1	ND<1	ND<1	ND<1	39	ND<2	ND<2	ND<2	37	--
MW-4	4/7/2005	30.62	27.45	3.17	50.54	ND<50	ND<1	ND<1	ND<1	ND<1	15	ND<2	ND<2	ND<2	36	--
MW-5	4/7/2005	30.25	27.05	3.20	53.39	200	13	ND<1	ND<1	ND<1	20	ND<2	ND<2	ND<2	33	--
MW-6	4/7/2005	31.66	28.48	3.18	39.04	1,400	49	ND<2	140	63	22	ND<4	ND<4	ND<4	260	--
MW-7	4/7/2005	32.15	28.94	3.21	39.13	ND<50	ND<1	ND<1	ND<1	ND<1	20	ND<2	ND<2	ND<2	ND<10	--
MW-8	4/7/2005	29.25	26.65	2.60	49.65	ND<50	ND<1	ND<1	ND<1	ND<1	2.6 J	ND<2	ND<2	ND<2	13 J	--
MW-9	4/7/2005	29.44	26.20	3.24	49.19	ND<50	ND<1	ND<1	ND<1	ND<1	13	ND<2	ND<2	ND<2	160	--
Trip Blank	4/7/2005	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--

Notes: ug/L = Micrograms per liter

ND = Not detected

NAPL = Non-aqueous phase liquid

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol analyzed by EPA Method 8260B

J = denotes value between method detection limit and detection limit for reporting purposes

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-1	11/25/1991	29.07	33.05	0.97	-3.98	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/29/1992	29.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well obstructed	
MW-1	8/22/1992	29.07	33.45	2.12	-4.38	--	--	--	--	--	--	--	--	--	--	--	Survey data 9/23/92	
MW-1	10/31/1992	29.07	33.53	1.66	-4.46	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/18/1993	29.07	32.85	1.54	-3.78	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/27/1993	29.07	33.10	0.90	-4.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/27/1993	29.07	32.15	1.30	-3.08	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/29/1993	29.07	31.72	0.95	-2.65	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/16/1993	29.07	31.68	0.79	-2.61	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/19/1993	29.07	31.37	0.56	-2.30	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	9/18/1993	29.07	31.34	0.53	-2.27	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/11/1993	29.07	31.34	0.51	-2.27	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/15/1993	29.07	31.25	0.43	-2.18	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/2/1993	29.07	31.07	0.30	-2.00	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/7/1994	29.07	31.20	0.40	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/8/1994	29.07	31.11	0.37	-2.04	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	3/5/1994	29.07	30.92	0.32	-1.85	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/4/1994	29.07	30.89	0.31	-1.82	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/14/1994	29.07	30.95	0.40	-1.88	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/10/1994	29.07	30.90	0.35	-1.83	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/25/1994	29.07	31.00	0.47	-1.93	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/9/1994	29.07	30.93	0.55	-1.86	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/16/1995	29.07	30.66	0.56	-1.59	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/5/1995	29.07	30.33	0.32	-1.26	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/16/1995	29.07	29.95	0.24	-0.88	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/15/1995	29.07	29.82	0.17	-0.75	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/26/1996	29.07	29.93	0.22	-0.86	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/4/1996	29.37	29.93	0.78	-0.56	--	--	--	--	--	--	--	--	--	--	--	Resurveyed	
MW-1	8/8/1996	29.37	31.66	--	-2.29	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/12/1996	29.37	30.19	0.20	-0.82	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/3/1997	29.37	29.06	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/20/1997	29.37	29.40	--	-0.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/12/1997	29.37	29.55	0.10	-0.18	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/22/1997	29.37	29.70	0.23	-0.33	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/27/1998	29.37	29.50	0.10	-0.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/27/1998	29.37	28.67	0.01	0.70	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/10/1998	29.37	28.40	0	0.97	--	96,000	1800	14,000	5300	30,000	ND	--	--	--	--	--	
MW-1	7/10/1998	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	1/21/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	4/29/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Found	
MW-1	7/27/1999	29.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned	
MW-2	11/25/1991	28.99	32.66	0	-3.67	--	4100	530	11	470	720	--	--	--	--	--	--	
MW-2	5/29/1992	28.99	32.33	0	-3.34	--	1600	110	49	210	220	--	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-2	8/22/1992	28.99	32.40	0	-3.41	--	4000	520	450	420	870	--	--	--	--	--	--	Survey data 9/23/92
MW-2	10/31/1992	28.99	32.34	0	-3.35	--	7600	840	670	860	1400	--	--	--	--	--	--	
MW-2	2/18/1993	28.99	31.64	0	-2.65	--	1900	470	320	550	7800	--	--	--	--	--	--	
MW-2	4/27/1993	28.99	31.41	0	-2.42	--	2900	850	2.7	260	150	--	--	--	--	--	--	
MW-2	5/27/1993	28.99	31.23	--	-2.24	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	6/29/1993	28.99	31.12	--	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	7/16/1993	28.99	31.13	0	-2.14	--	6100	350	330	760	1100	--	--	--	--	--	--	
MW-2	8/19/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	9/18/1993	28.99	30.98	--	-1.99	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	10/11/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	11/15/1993	28.99	31.02	--	-2.03	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/2/1993	28.99	30.86	0	-1.87	--	4000	250	180	640	770	--	--	--	--	--	--	
MW-2	1/7/1994	28.99	31.00	--	-2.01	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	2/8/1994	28.99	30.93	0	-1.94	--	3500	230	150	440	430	--	--	--	--	--	--	
MW-2	3/5/1994	28.99	30.78	--	-1.79	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	4/4/1994	28.99	30.72	0	-1.73	--	4600	320	290	600	760	--	--	--	--	--	--	
MW-2	5/14/1994	28.99	30.71	--	-1.72	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	6/10/1994	28.99	30.73	--	-1.74	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	8/25/1994	28.99	30.70	0	-1.71	--	3000	140	53	230	210	--	--	--	--	--	--	
MW-2	11/9/1994	28.99	30.62	0	-1.63	--	2000	110	48	110	150	--	--	--	--	--	--	
MW-2	2/16/1995	28.99	30.30	0	-1.31	--	2200	290	4.5	240	120	--	--	--	--	--	--	
MW-2	5/5/1995	28.99	29.71	0	-0.72	--	1100	79	24	59	120	--	--	--	--	--	--	
MW-2	8/16/1995	28.99	29.52	0	-0.53	--	ND	55	ND	9.0	5.0	--	--	--	--	--	--	
MW-2	11/15/1995	28.99	29.31	0	-0.32	--	1400	60	3.0	30	60	--	--	--	--	--	--	
MW-2	2/26/1996	28.99	29.35	0	-0.36	--	1000	74	2.5	34	71	--	--	--	--	--	--	
MW-2	6/4/1996	28.95	29.16	0	-0.21	--	560	69	ND	23	95	--	--	--	--	--	Resurveyed	
MW-2	8/8/1996	28.95	32.00	0	-3.05	--	110	5.0	2.2	1.7	27	160	--	--	--	--	--	
MW-2	11/12/1996	28.95	29.57	0	-0.62	--	750	54	ND	50	120	410	--	--	--	--	--	
MW-2	2/3/1997	28.95	29.05	0	-0.10	--	ND	0.7	ND	ND	ND	23	--	--	--	--	--	
MW-2	5/20/1997	28.95	29.05	0	-0.10	--	210	15	ND	11	20	95	--	--	--	--	--	
MW-2	8/12/1997	28.95	29.05	0	-0.10	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-2	11/22/1997	28.95	29.05	0	-0.10	--	2400	130	160	240	450	300	--	--	--	--	--	
MW-2	1/27/1998	28.95	29.00	0	-0.05	--	140	1.4	ND	1.0	1.8	210	--	--	--	--	--	
MW-2	4/27/1998	28.95	28.20	0	0.75	--	120	9.0	9.6	1.8	11	130	--	--	--	--	--	
MW-2	7/10/1998	28.95	28.80	0	0.15	--	160	14	33	5.0	22	98	120	--	--	--	--	
MW-2	1/21/1999	28.95	30.16	0	-1.21	--	ND<500	16.3	10.3	7.98	16.9	233	210	--	--	--	--	
MW-2	4/29/1999	28.95	30.93	0	-1.98	--	1330	ND<3.0	3.6	ND<3.0	ND<6.0	180	170	--	--	--	--	
MW-2	7/27/1999	28.95	30.94	0	-1.99	--	ND<500	ND<0.3	ND<0.3	ND<0.3	1.2	175	149	--	--	--	--	
MW-2	11/3/1999	28.95	30.65	0	-1.70	--	230	0.4	1.0	ND<0.3	ND<0.6	230	123	--	--	--	--	
MW-2	1/10/2000	28.95	30.80	0	-1.85	--	1010	1.4	ND<0.3	0.8	2.0	94	98	--	--	--	--	
MW-2	4/5/2000	28.95	30.53	0	-1.58	--	ND<1000	2.0	4.0	2.0	6.0	55	42	--	--	--	--	
MW-2	7/12/2000	28.95	30.52	0	-1.57	--	92	4.0	1.0	ND<0.6	ND<1.2	92	48	--	--	--	--	
MW-2	11/1/2000	28.80	30.26	0	-1.46	--	164 J	6.2	5.9	ND<5	9.9	--	59	--	--	--	--	
MW-2	1/3/2001	28.80	30.26	0	-1.46	--	190	4.4 J	ND<5.0	3.6 J	3.0 J	--	35	ND<5	ND<5	ND<5	87	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-2	4/24/2001	28.80	29.70	0	-0.90	46.77	104	ND<5	ND<5	ND<5	--	23	ND<1	ND<1	ND<1	24	--	
MW-2	7/10/2001	28.80	29.75	0	-0.95	46.60	116	ND<5	ND<5	ND<5	--	59	ND<1	ND<1	ND<1	26	--	
MW-2	10/17/2001	28.80	29.80	0	-1.00	46.60	137	3.0	ND<5	ND<5	ND<5	--	27	ND<1	ND<1	ND<1	32	--
MW-2	1/2/2002	28.80	29.89	0	-1.09	46.55	ND<100	ND<1	ND<5	ND<5	ND<5	--	26	ND<1	ND<1	ND<1	6.8J	--
MW-2	4/11/2002	28.80	29.92	0	-1.12	46.50	ND<100	ND<1	ND<5	ND<5	ND<5	--	19	ND<1	ND<1	ND<1	ND<10	--
MW-2	7/2/2002	30.88	30.09	0	0.79	46.70	64	ND<1	ND<1	3.4	2.8	--	37	ND<2	ND<2	ND<2	45	*Resurveyed
MW-2	10/3/2002	30.88	30.30	0	0.58	46.95	ND<50	ND<1	ND<1	ND<1	ND<1	--	21	ND<2	ND<2	ND<2	29	--
MW-2	1/21/2003	30.88	30.03	0	0.85	46.69	ND<50	ND<1	ND<1	ND<1	ND<1	--	22	ND<2	ND<2	ND<2	30	--
MW-2	4/29/2003	30.88	29.62	0	1.26	46.70	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	27	--
MW-2	7/24/2003	30.88	29.37	0	1.51	46.67	ND<50	ND<1	ND<1	ND<1	ND<1	--	22	ND<2	ND<2	ND<2	16 J	--
MW-2	10/17/2003	30.88	29.23	0	1.65	46.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	ND<10	--
MW-2	1/30/2004	30.88	29.16	0	1.72	46.68	50 J	ND<1	ND<1	ND<1	ND<1	--	11	ND<2	ND<2	ND<2	14 J	--
MW-2	4/19/2004	30.88	29.10	0	1.78	46.67	ND<50	ND<1	ND<1	ND<1	ND<1	--	16	ND<2	ND<2	ND<2	23 J	--
MW-2	7/8/2004	30.88	29.07	0	1.81	46.69	ND<50	ND<1	ND<1	ND<1	ND<1	--	11	ND<2	ND<2	ND<2	20 J	--
MW-2	11/8/2004	30.88	29.06	0	1.82	46.75	ND<50	ND<1	ND<1	ND<1	ND<1	--	9.8	ND<2	ND<2	ND<2	ND<10	--
MW-2	1/21/2005	30.88	28.51	0	2.37	46.71	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	11 J	--
MW-2	4/7/2005	30.88	27.61	0	3.27	46.58	ND<50	ND<1	ND<1	ND<1	ND<1	--	39	ND<2	ND<2	ND<2	37	--
MW-3	11/25/1991	29.91	33.37	0	-3.46	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	5/29/1992	29.91	33.00	0	-3.09	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	8/22/1992	29.91	32.97	0	-3.06	--	ND	1.4	1.1	0.9	0.9	--	--	--	--	--	--	
MW-3	10/31/1992	29.91	32.99	0	-3.08	--	ND	0.4	ND	ND	ND	--	--	--	--	--	--	
MW-3	2/18/1993	29.91	32.49	0	-2.58	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	4/27/1993	29.91	32.15	0	-2.24	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	5/27/1993	29.91	31.98	--	-2.07	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	6/29/1993	29.91	31.83	--	-1.92	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	7/16/1993	29.91	31.86	0	-1.95	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	8/19/1993	29.91	22.74	--	7.17	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	9/18/1993	29.91	37.71	--	-7.80	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	10/11/1993	29.91	31.73	--	-1.82	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/15/1993	29.91	31.71	--	-1.80	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	12/2/1993	29.91	31.61	0	-1.70	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	1/7/1994	29.91	31.69	--	-1.78	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/8/1994	29.91	31.62	0	-1.71	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	3/5/1994	29.91	31.52	--	-1.61	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	4/4/1994	29.91	31.44	0	-1.53	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	5/14/1994	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	6/10/1994	29.91	31.41	--	-1.50	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/25/1994	29.91	31.37	0	-1.46	--	ND	0.71	1.0	2.2	3.2	--	--	--	--	--	--	
MW-3	11/9/1994	29.91	31.38	0	-1.47	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	2/16/1995	29.91	31.00	0	-1.09	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	5/5/1995	29.91	30.43	0	-0.52	--	ND	1.2	2.4	ND	1.8	--	--	--	--	--	--	
MW-3	8/16/1995	29.91	30.26	0	-0.35	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	11/15/1995	29.91	30.23	0	-0.32	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-3	2/26/1996	29.91	30.22	0	-0.31	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	6/4/1996	29.91	30.08	0	-0.17	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	8/8/1996	29.91	30.20	0	-0.29	--	ND	ND	ND	ND	ND	26	--	--	--	--	--	
MW-3	11/12/1996	29.91	30.45	0	-0.54	--	ND	ND	ND	ND	ND	18	--	--	--	--	--	
MW-3	2/3/1997	29.91	29.95	0	-0.04	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	5/20/1997	29.91	29.92	0	-0.01	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	8/12/1997	29.91	29.95	0	-0.04	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	11/22/1997	29.91	29.97	0	-0.06	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	1/27/1998	29.91	29.93	0	-0.02	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	4/27/1998	29.91	29.16	0	0.75	--	150	17	20	4.0	26	16	--	--	--	--	--	
MW-3	7/10/1998	29.91	28.85	0	1.06	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-3	1/21/1999	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	4/29/1999	29.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer monitored	
MW-4	11/25/1991	28.77	32.41	0	-3.64	--	1,300	280	4.5	35	63	--	--	--	--	--	--	
MW-4	5/29/1992	28.77	32.00	0	-3.23	--	3,000	1,100	83	140	260	--	--	--	--	--	--	
MW-4	8/22/1992	28.77	31.92	0	-3.15	--	6,000	2,500	230	480	670	--	--	--	--	--	Survey data 9/23/92	
MW-4	10/31/1992	28.77	31.95	0	-3.18	--	9,000	3,500	310	780	1100	--	--	--	--	--	--	
MW-4	2/18/1993	28.77	31.44	0	-2.67	--	1,400	1,200	7.5	290	62	--	--	--	--	--	--	
MW-4	4/27/1993	28.77	31.11	0	-2.34	--	4,000	1,000	170	280	220	--	--	--	--	--	--	
MW-4	5/27/1993	28.77	30.90	--	-2.13	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/29/1993	28.77	30.71	--	-1.94	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	7/16/1993	28.77	30.72	0	-1.95	--	2100	590	28	180	130	--	--	--	--	--	--	
MW-4	8/19/1993	28.77	29.72	--	-0.95	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	9/18/1993	28.77	30.67	--	-1.90	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	10/11/1993	28.77	30.70	--	-1.93	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/15/1993	28.77	30.68	--	-1.91	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/2/1993	28.77	30.61	0	-1.84	--	760	180	1.3	76	22	--	--	--	--	--	--	
MW-4	1/7/1994	28.77	30.66	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/8/1994	28.77	30.60	0	-1.83	--	2100	560	9.5	220	120	--	--	--	--	--	--	
MW-4	3/5/1994	28.77	30.50	--	-1.73	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	4/4/1994	28.77	30.43	0	-1.66	--	1600	470	4.9	170	67	--	--	--	--	--	--	
MW-4	5/14/1994	28.77	30.41	--	-1.64	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/10/1994	28.77	30.40	--	-1.63	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/25/1994	28.77	30.32	0	-1.55	--	690	150	1.6	59	9.3	--	--	--	--	--	--	
MW-4	11/9/1994	28.77	30.11	0	-1.34	--	9200	2,200	75	790	980	--	--	--	--	--	--	
MW-4	2/16/1995	28.77	29.87	0	-1.10	--	ND	0.73	0.43	ND	0.88	--	--	--	--	--	--	
MW-4	5/5/1995	28.77	29.38	0	-0.61	--	240	55	5.2	18	20	--	--	--	--	--	--	
MW-4	8/16/1995	28.77	29.22	0	-0.45	--	ND	37	ND	8.0	7.0	--	--	--	--	--	--	
MW-4	11/15/1995	28.77	29.08	0	-0.31	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	
MW-4	2/26/1996	28.77	29.08	0	-0.31	--	ND	1.7	ND	ND	ND	--	--	--	--	--	--	
MW-4	6/4/1996	28.69	28.97	0	-0.28	--	ND	ND	ND	ND	ND	--	--	--	--	--	Resurveyed	
MW-4	8/8/1996	28.69	29.08	0	-0.39	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-4	11/12/1996	28.69	29.30	0	-0.61	--	430	1.4	0.5	5.2	5.4	15	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-4	2/3/1997	28.69	28.80	0	-0.11	--	ND	0.37	ND	ND	0.83	ND	--	--	--	--	--	
MW-4	5/20/1997	28.69	28.80	0	-0.11	--	ND	4.3	ND	1.9	0.98	ND	--	--	--	--	--	
MW-4	8/12/1997	28.69	28.78	0	-0.09	--	78	3.7	ND	1.3	0.76	ND	--	--	--	--	--	
MW-4	11/22/1997	28.69	28.84	0	-0.15	--	ND	0.99	ND	1.2	ND	ND	--	--	--	--	--	
MW-4	1/27/1998	28.69	28.70	0	-0.01	--	910	68	40	110	160	ND	--	--	--	--	--	
MW-4	4/27/1998	28.69	27.95	0	0.74	--	1100	270	17	21	200	86	--	--	--	--	--	
MW-4	7/10/1998	28.69	27.68	0	1.01	--	660	110	50	20	73	ND	--	--	--	--	--	
MW-4	1/21/1999	28.69	30.05	0	-1.36	--	ND<5000	247	ND<3.0	ND<3.0	507	ND<100	--	--	--	--	--	
MW-4	4/29/1999	28.69	30.87	0	-2.18	--	13,540	1120	92	31	600	ND<1000	--	--	--	--	--	
MW-4	7/27/1999	28.69	30.75	0	-2.06	--	10,300	920	3.2	92	95	632	441	--	--	--	--	--
MW-4	11/3/1999	28.69	30.48	0	-1.79	--	2050	635	3.0	1.4	42	453	356	--	--	--	--	--
MW-4	1/10/2000	28.69	30.53	0	-1.84	--	7280	1,020	13	10	37	525	338	--	--	--	--	--
MW-4	4/5/2000	28.69	30.31	0	-1.62	--	1790	68	12	ND<6.0	28	1790	1,070	--	--	--	--	--
MW-4	7/12/2000	28.69	30.72	0	-2.03	--	987	462	2.0	2.0	ND<3.0	987	1,080	--	--	--	--	--
MW-4	11/1/2000	28.54	30.09	0	-1.55	--	3160	680	6.3	8.6	10	--	2,370	--	--	--	--	--
MW-4	1/3/2001	28.54	30.01	0	-1.47	--	2000	490	ND<25	6.4 J	ND<25	--	850	ND<25	ND<25	ND<25	1400	--
MW-4	4/24/2001	28.54	29.50	0	-0.96	50.60	309	ND<5	ND<5	ND<5	ND<5	--	183	ND<1	ND<1	ND<1	418	--
MW-4	7/10/2001	28.54	29.54	0	-1.00	50.45	1140	334	ND<5	ND<5	ND<5	--	454	ND<1	ND<1	11	937	--
MW-4	10/17/2001	28.54	29.57	0	-1.03	50.50	1,020	174	ND<5	ND<5	ND<5	--	221	ND<1	ND<1	ND<1	292	--
MW-4	1/2/2002	28.54	29.64	0	-1.10	51.55	596	85	ND<5	ND<5	ND<5	--	150	ND<1	ND<1	ND<1	517	--
MW-4	4/11/2002	28.54	29.68	0	-1.14	50.45	487	48	ND<5	ND<5	ND<5	--	146	ND<1	ND<1	ND<1	ND<10	--
MW-4	7/2/2002	30.62	29.78	0	0.84	50.45	330	50	ND<5	ND<5	ND<5	--	230	ND<10	ND<10	ND<10	3,300	*Resurveyed
MW-4	10/3/2002	30.62	29.96	0	0.66	50.69	230	16	ND<1	ND<1	1.2J	--	100	ND<2	ND<2	ND<2	1,700	--
MW-4	1/21/2003	30.62	29.75	0	0.87	50.64	92 J	6.9	ND<1	ND<1	ND<1	--	44	ND<2	ND<2	ND<2	1,900	--
MW-4	4/29/2003	30.62	29.38	0	1.24	50.70	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	990	--
MW-4	7/24/2003	30.62	29.13	0	1.49	50.63	ND<50	1.9 J	ND<1	ND<1	ND<1	--	28	ND<2	ND<2	ND<2	610	--
MW-4	10/17/2003	30.62	28.99	0	1.63	50.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	42	ND<2	ND<2	ND<2	380	--
MW-4	1/30/2004	30.62	28.88	0	1.74	50.68	61 J	3.2 J	ND<1	ND<1	ND<1	--	34	ND<2	ND<2	ND<2	750	--
MW-4	4/19/2004	30.62	28.88	0	1.74	50.61	ND<50	1.4 J	ND<1	ND<1	ND<1	--	28	ND<2	ND<2	ND<2	600	--
MW-4	7/8/2004	30.62	28.79	0	1.83	50.60	ND<50	ND<1	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	500	--
MW-4	11/8/2004	30.62	28.74	0	1.88	50.54	ND<50	ND<1	ND<1	ND<1	ND<1	--	25	ND<2	ND<2	ND<2	280	--
MW-4	1/21/2005	30.62	28.28	0	2.34	50.59	ND<50	ND<1	ND<1	ND<1	ND<1	--	18	ND<2	ND<2	ND<2	54	--
MW-4	4/7/2005	30.62	27.45	0	3.17	50.54	ND<50	ND<1	ND<1	ND<1	ND<1	--	15	ND<2	ND<2	ND<2	36	--
MW-5	11/25/1991	28.44	32.07	0	-3.63	--	2500	460	6.9	180	170	--	--	--	--	--	--	--
MW-5	5/29/1992	28.44	31.66	0	-3.22	--	330	28	0.7	5.2	12	--	--	--	--	--	--	--
MW-5	8/22/1992	28.44	31.71	0	-3.27	--	2100	650	ND	230	96	--	--	--	--	--	Survey data 9/23/92	
MW-5	10/31/1992	28.44	31.61	0	-3.17	--	ND	160	1.7	40	29	--	--	--	--	--	--	--
MW-5	2/18/1993	28.44	31.06	0	-2.62	--	620	430	20	160	82	--	--	--	--	--	--	--
MW-5	4/27/1993	28.44	30.76	0	-2.32	--	10,000	800	800	1100	2100	--	--	--	--	--	--	--
MW-5	5/27/1993	28.44	30.62	--	-2.18	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/29/1993	28.44	30.49	--	-2.05	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/16/1993	28.44	30.50	0	-2.06	--	2000	740	1.5	220	110	--	--	--	--	--	--	--
MW-5	8/19/1993	28.44	30.38	--	-1.94	--	--	--	--	--	--	--	--	--	--	--	--	--

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Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-5	9/18/1993	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	10/11/1993	28.44	30.36	--	-1.92	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	11/15/1993	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	12/2/1993	28.44	30.24	0	-1.80	--	1700	590	4.1	230	84	--	--	--	--	--	--	
MW-5	1/7/1994	28.44	30.33	--	-1.89	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	2/8/1994	28.44	30.26	0	-1.82	--	8400	3,000	11	1000	500	--	--	--	--	--	--	
MW-5	3/5/1994	28.44	30.15	--	-1.71	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	4/4/1994	28.44	30.08	0	-1.64	--	4500	1,500	5.8	530	460	--	--	--	--	--	--	
MW-5	5/14/1994	28.44	30.08	--	-1.64	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	6/10/1994	28.44	30.06	--	-1.62	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/25/1994	28.44	30.03	0	-1.59	--	2000	260	1.7	180	120	--	--	--	--	--	--	
MW-5	11/9/1994	28.44	29.99	0	-1.55	--	11,000	1,300	9.4	1100	600	--	--	--	--	--	--	
MW-5	2/16/1995	28.44	29.57	0	-1.13	--	960	300	ND	94	46	--	--	--	--	--	--	
MW-5	5/5/1995	28.44	29.03	0	-0.59	--	6000	1,600	11	530	260	--	--	--	--	--	--	
MW-5	8/16/1995	28.44	28.86	0	-0.42	--	2570	1,100	ND	70	40	--	--	--	--	--	--	
MW-5	11/15/1995	28.44	28.73	0	-0.29	--	1150	290	1.0	3.0	4.0	--	--	--	--	--	--	
MW-5	2/26/1996	28.44	28.73	0	-0.29	--	370	94	ND	2.6	2.5	--	--	--	--	--	--	
MW-5	6/4/1996	28.32	28.58	0	-0.26	--	62	9.1	ND	1.1	1.5	--	--	--	--	--	Resurveyed	
MW-5	8/8/1996	28.32	29.63	0	-1.31	--	ND	9.8	ND	0.36	2.1	170	--	--	--	--	--	
MW-5	11/12/1996	28.32	28.95	0	-0.63	--	ND	4.8	ND	0.46	0.92	91	--	--	--	--	--	
MW-5	2/3/1997	28.32	28.85	0	-0.53	--	1000	43	ND	40	190	ND	--	--	--	--	--	
MW-5	5/20/1997	28.32	28.45	0	-0.13	--	370	91	ND	40	5.7	21	--	--	--	--	--	
MW-5	8/12/1997	28.32	28.44	0	-0.12	--	1600	150	ND	260	41	ND	--	--	--	--	--	
MW-5	11/22/1997	28.32	28.44	0	-0.12	--	20,000	410	490	670	7300	ND	--	--	--	--	--	
MW-5	1/27/1998	28.32	28.40	0	-0.08	--	710	38	30	50	61	23	--	--	--	--	--	
MW-5	4/27/1998	28.32	27.62	0	0.70	--	220	17	15	8.2	20	17	--	--	--	--	--	
MW-5	7/10/1998	28.32	27.33	0	0.99	--	640	50	110	17	66	ND	--	--	--	--	--	
MW-5	1/21/1999	28.32	29.68	0	-1.36	--	13,300	565	ND<3.0	ND<3.0	73.4	270	400	--	--	--	--	
MW-5	4/29/1999	28.32	30.36	0	-2.04	--	18,350	2510	74	68	760	370	340	--	--	--	--	
MW-5	7/27/1999	28.32	30.36	0	-2.04	--	8540	1160	8.3	18	83	442	317	--	--	--	--	
MW-5	11/3/1999	28.32	30.08	0	-1.76	--	1580	807	8.0	4.0	3.7	448	333	--	--	--	--	
MW-5	1/10/2000	28.32	30.18	0	-1.86	--	6530	825	22	24	53	530	362	--	--	--	--	
MW-5	4/5/2000	28.32	29.83	0	-1.51	--	2360	425	5.0	7.0	5.0	535	396	--	--	--	--	
MW-5	7/12/2000	28.32	29.88	0	-1.56	--	764	293	ND<3.0	5.0	ND<6.0	764	1,340	--	--	--	--	
MW-5	11/1/2000	28.17	29.76	0	-1.59	--	2280	342	4.8 J	14	7.8	--	715	--	--	--	--	
MW-5	1/3/2001	28.17	29.65	0	-1.48	--	2200	300	ND<50	19 J	ND<50	--	1,200	ND<50	ND<50	ND<50	190J	
MW-5	4/24/2001	28.17	29.00	0	-0.83	53.41	2,470	207	ND<5	42	ND<5	--	250	ND<1	ND<1	ND<1	206	--
MW-5	7/10/2001	28.17	29.13	0	-0.96	53.35	2,440	517	ND<5	120	ND<5	--	478	ND<1	ND<1	ND<1	176	--
MW-5	10/17/2001	28.17	29.25	0	-1.08	53.38	3,560	598	7.3	34	ND<5	--	306	ND<1	ND<1	ND<1	312	--
MW-5	1/2/2002	28.17	29.30	0	-1.13	53.25	1,680	203	ND<50	ND<50	ND<50	--	191	ND<10	ND<10	ND<10	ND<100	--
MW-5	4/11/2002	28.17	29.32	0	-1.15	53.30	1,280	96	ND<5	ND<5	ND<5	--	157	ND<1	ND<1	ND<1	121	--
MW-5	7/2/2002	30.25	29.43	0	0.82	53.85	1,700	150	ND<2.5	6.2	ND<2.5	--	300	ND<5	ND<5	ND<5	690	*Resurveyed
MW-5	10/3/2002	30.25	29.58	0	0.67	53.63	1,200	67	ND<1	2.8J	1.4J	--	220	ND<2	ND<2	ND<2	1,200	--
MW-5	1/21/2003	30.25	29.42	0	0.83	53.37	500	12 J	ND<10	ND<10	ND<10	--	130	ND<20	ND<20	ND<20	1,000	--

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
MW-5	4/29/2003	30.25	29.03	0	1.22	53.45	640	35	ND<5	ND<5	--	140	ND<10	ND<10	ND<10	890	--	
MW-5	7/24/2003	30.25	28.75	0	1.50	53.45	470	26	ND<1	1.3 J	ND<1	--	110	ND<2	ND<2	ND<2	610	--
MW-5	10/17/2003	30.25	28.69	0	1.56	53.53	400	11	ND<1	ND<1	ND<1	--	70	ND<2	ND<2	ND<2	700	--
MW-5	1/30/2004	30.25	28.51	0	1.74	53.53	320	8.7	ND<1	ND<1	ND<1	--	26	ND<2	ND<2	ND<2	720	--
MW-5	4/19/2004	30.25	28.58	0	1.67	53.54	300	18	ND<1	1.0 J	ND<1	--	37	ND<2	ND<2	ND<2	320	--
MW-5	7/8/2004	30.25	28.53	0	1.72	53.55	430	19	ND<1	ND<1	ND<1	--	32	ND<2	ND<2	ND<2	240	--
MW-5	11/8/2004	30.25	28.46	0	1.79	53.55	290	3.4 J	ND<1	ND<1	ND<1	--	17	ND<2	ND<2	ND<2	120	--
MW-5	1/21/2005	30.25	27.90	0	2.35	53.44	ND<50	ND<1	ND<1	ND<1	ND<1	--	3.6 J	ND<2	ND<2	ND<2	12 J	--
MW-5	4/7/2005	30.25	27.05	0	3.20	53.39	200	13	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	33	--
MW-6	7/27/1999	29.58	31.74	0	-2.16	--	75,600	1390	1780	970	3320	577	356	--	--	--	--	--
MW-6	11/3/1999	29.58	31.45	0	-1.87	--	5560	ND<30	ND<30	ND<30	268	1390	1470	--	--	--	--	--
MW-6	1/10/2000	29.58	31.59	0	-2.01	--	71,800	1300	2000	1800	3650	8000	6510	--	--	--	--	--
MW-6	4/5/2000	29.58	31.34	0	-1.76	--	23,800	868	965	947	2120	1840	1200	--	--	--	--	--
MW-6	7/12/2000	29.58	31.27	0	-1.69	--	22,400	1160	1340	1490	3160	2700	2120	--	--	--	--	--
MW-6	11/1/2000	29.58	31.14	0	-1.56	--	36,200	1140	1340	2050	4220	--	4080	--	--	--	--	--
MW-6	1/3/2001	29.58	31.03	0	-1.45	--	14,000	800	730	1200	3000	--	920	ND<50	ND<50	ND<50	880	--
MW-6	4/24/2001	29.58	30.55	0	-0.97	39.10	15,100	300	195	587	1,300	NA	316	ND<1	ND<1	ND<1	434	--
MW-6	7/10/2001	29.58	30.55	0	-0.97	39.05	13,400	852	597	2,400	3,560	NA	1,120	ND<1	ND<1	ND<1	583	--
MW-6	10/17/2001	29.58	30.57	0	-0.99	39.05	27,000	774	429 J	2,170	4,890	--	1,290	ND<250	ND<250	ND<250	ND<2500	--
MW-6	1/2/2002	29.58	30.68	0	-1.10	39.00	4,200	235	110	725	1,380	--	266	ND<10	ND<10	ND<10	98J	--
MW-6	4/11/2002	29.58	30.70	0	-1.12	38.95	13,000	419	69	1,230	2,250	--	501	ND<1	ND<1	ND<1	963	--
MW-6	7/2/2002	31.66	30.82	0	0.84	39.20	3,700	210	16	620	850	--	300	ND<20	ND<20	ND<20	900	Odor/ *Resurveyed
MW-6	10/3/2002	31.66	30.91	0	0.75	39.27	7,300	330	ND<20	1,000	1,200	--	320	ND<40	ND<40	ND<40	1,500	Odor
MW-6	1/21/2003	31.66	30.73	0	0.93	39.16	4,900	280	ND<20	760	780	--	200	ND<40	ND<40	ND<40	1,100	Odor
MW-6	4/29/2003	31.66	30.42	0	1.24	39.19	5,600	240	9.8 J	960	1,000	--	220	ND<10	ND<10	ND<10	1,400	--
MW-6	7/24/2003	31.66	30.17	0	1.49	39.14	2,900	120	ND<10	350	310	--	120	ND<20	ND<20	ND<20	800	--
MW-6	10/17/2003	31.66	30.08	0	1.58	39.10	4,000	210	3.0 J	560	470	--	260	ND<4	ND<4	ND<4	1,400	--
MW-6	1/30/2004	31.66	29.93	0	1.73	39.15	2,200	120	ND<4	310	240	--	110	ND<8	ND<8	ND<8	820	--
MW-6	4/19/2004	31.66	29.96	0	1.70	39.13	1,800	120	ND<5	290	240	--	120	ND<10	ND<10	ND<10	840	--
MW-6	7/8/2004	31.66	29.98	0	1.68	39.16	3,100	130	ND<4	330	290	--	96	ND<8	ND<8	ND<8	840	--
MW-6	11/8/2004	31.66	29.85	0	1.81	39.15	2,400	110	1.4 J	310	150	--	81	ND<8	ND<8	ND<8	110	--
MW-6	1/21/2005	31.66	29.31	0	2.35	39.13	1,900	60	ND<1	180	94	--	58	ND<2	ND<2	ND<2	780	--
MW-6	4/7/2005	31.66	28.48	0	3.18	39.04	1,400	49	ND<2	140	63	--	22	ND<4	ND<4	ND<4	260	--
MW-7	7/27/1999	30.07	32.18	0	-2.11	--	9130	20	8.0	21	33	131	116	--	--	--	--	--
MW-7	11/3/1999	30.07	31.89	0	-1.82	--	225	1.1	1.6	ND<0.3	ND<0.6	225	91	--	--	--	--	--
MW-7	1/10/2000	30.07	32.02	0	-1.95	--	1030	13	1.5	15	33	112	66	--	--	--	--	--
MW-7	4/5/2000	30.07	31.76	0	-1.69	--	1000	30	14	33	100	55	36	--	--	--	--	--
MW-7	7/12/2000	30.07	31.69	0	-1.62	--	61	11	ND<0.6	11	12	61	59	--	--	--	--	--
MW-7	11/1/2000	30.07	31.59	0	-1.52	--	1140	29	8.6	70	152	--	77	--	--	--	--	--
MW-7	1/3/2001	30.07	31.47	0	-1.40	--	580	17	ND<5.0	40	130	--	49	ND<5	ND<5	ND<5	19 J	--
MW-7	4/24/2001	30.07	30.98	0	-0.91	39.08	261	6.2	ND<5	6.2	25	--	31	ND<1	ND<1	ND<1	ND<10	--
MW-7	7/10/2001	30.07	31.00	0	-0.93	39.10	287	9.3	ND<5	ND<5	102	--	71	ND<1	ND<1	ND<1	ND<10	--

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments	
MW-7	10/17/2001	30.07	30.95	0	-0.88	39.10	1,310	35	5.2	128	485	--	80	ND<1	ND<1	ND<1	88	--	
MW-7	1/2/2002	30.07	31.13	0	-1.06	40.40	228	2.9	ND<5	13	42	--	22	ND<1	ND<1	ND<1	ND<10	--	
MW-7	4/11/2002	30.07	31.13	0	-1.06	39.00	350	4.0	ND<5	14	61	--	20	ND<1	ND<1	ND<1	ND<10	--	
MW-7	7/2/2002	32.15	31.27	0	0.88	39.35	180	4.0	ND<1	12	60	--	41	ND<2	ND<2	ND<2	ND<10	*Resurveyed	
MW-7	10/3/2002	32.15	31.44	0	0.71	39.30	520	7.2	ND<1	24	130	--	52	ND<2	ND<2	ND<2	13J	--	
MW-7	1/21/2003	32.15	31.20	0	0.95	39.23	650	11.0	ND<1	44	180	--	41	ND<2	ND<2	ND<2	ND<10	--	
MW-7	4/29/2003	32.15	30.86	0	1.29	39.14	170	2.8 J	ND<1	12	51	--	26	ND<2	ND<2	ND<2	ND<10	--	
MW-7	7/24/2003	32.15	30.60	0	1.55	39.17	ND<50	1.3 J	ND<1	4.8 J	17	--	18	ND<2	ND<2	ND<2	ND<10	--	
MW-7	10/17/2003	32.15	30.44	0	1.71	39.20	210	3.5J	ND<1	16	57	--	28	ND<2	ND<2	ND<2	ND<10	--	
MW-7	1/30/2004	32.15	30.36	0	1.79	39.18	200	4.8 J	ND<1	24	48	--	33	ND<2	ND<2	ND<2	ND<10	--	
MW-7	4/19/2004	32.15	30.37	0	1.78	39.20	420	8.7	ND<1	48	84	--	38	ND<2	ND<2	ND<2	ND<10	--	
MW-7	7/8/2004	32.15	30.54	0	1.61	39.22	ND<50	ND<1	ND<1	1.7 J	3.3 J	--	5.5	ND<2	ND<2	ND<2	ND<10	--	
MW-7	11/8/2004	32.15	30.31	0	1.84	39.21	140	1.8 J	ND<1	13	18	--	32	ND<2	ND<2	ND<2	ND<10	--	
MW-7	1/21/2005	32.15	29.81	0	2.34	39.19	73 J	ND<1	ND<1	2.3 J	1.2 J	--	46	ND<2	ND<2	ND<2	22 J	--	
MW-7	4/7/2005	32.15	28.94	0	3.21	39.13	ND<50	ND<1	ND<1	ND<1	ND<1	--	20	ND<2	ND<2	ND<2	ND<10	--	
MW-8	10/31/2002	29.25	28.31	0	0.94	49.95	91J	ND<1	ND<1	ND<1	ND<1	--	14	ND<2	ND<2	ND<2	180	not surveyed	
MW-8	1/21/2003	29.25	28.34	0	0.91	49.97	ND<50	ND<1	ND<1	ND<1	ND<1	--	2.8 J	ND<2	ND<2	ND<2	14 J		
MW-8	4/29/2003	29.25	27.97	0	1.28	49.97	ND<50	ND<1	ND<1	ND<1	ND<1	--	4.1 J	ND<2	ND<2	ND<2	58	--	
MW-8	7/24/2003	29.25	27.78	0	1.47	49.92	ND<50	ND<1	ND<1	ND<1	ND<1	--	1.0 J	ND<2	ND<2	ND<2	240	--	
MW-8	10/17/2003	29.25	27.70	0	1.55	49.90	55J	ND<1	ND<1	ND<1	ND<1	--	11	ND<2	ND<2	ND<2	520	--	
MW-8	1/30/2004	29.25	27.52	0	1.73	49.95	ND<50	ND<1	ND<1	ND<1	ND<1	--	5.1	ND<2	ND<2	ND<2	520	--	
MW-8	4/19/2004	29.25	27.49	0	1.76	49.78	ND<50	ND<1	ND<1	ND<1	ND<1	--	8.2	ND<2	ND<2	ND<2	220	--	
MW-8	7/8/2004	29.25	27.54	0	1.71	49.73	ND<50	ND<1	ND<1	ND<1	ND<1	--	5.4	ND<2	ND<2	ND<2	370	--	
MW-8	11/8/2004	29.25	27.42	0	1.83	49.71	ND<50	ND<1	ND<1	ND<1	ND<1	--	8.1	ND<2	ND<2	ND<2	120	--	
MW-8	1/21/2005	29.25	26.87	0	2.38	49.64	ND<50	ND<1	ND<1	ND<1	ND<1	--	6.0	ND<2	ND<2	ND<2	21 J	--	
MW-8	4/7/2005	29.25	26.65	0	2.60	49.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	2.6 J	ND<2	ND<2	ND<2	13 J	--	
MW-9	10/31/2002	29.44	28.50	0	0.94	49.60	200	12	ND<1	1.2J	ND<1	--	170	ND<2	ND<2	ND<2	1,800	not surveyed	
MW-9	1/21/2003	29.44	28.58	0	0.86	49.73	52 J	ND<1	ND<1	ND<1	ND<1	--	50	ND<2	ND<2	ND<2	290		
MW-9	4/29/2003	29.44	28.15	0	1.29	49.72	91 J	ND<1	ND<1	ND<1	ND<1	--	110	ND<2	ND<2	ND<2	580	--	
MW-9	7/24/2003	29.44	27.95	0	1.49	49.65	ND<50	ND<1	ND<1	ND<1	ND<1	--	36	ND<2	ND<2	ND<2	170	--	
MW-9	10/17/2003	29.44	27.79	0	1.65	49.63	87J	ND<1	ND<1	ND<1	ND<1	--	56	ND<2	ND<2	ND<2	1,200	--	
MW-9	1/30/2004	29.44	27.64	0	1.80	49.33	ND<50	ND<1	ND<1	ND<1	ND<1	--	6.3	ND<2	ND<2	ND<2	94	--	
MW-9	4/19/2004	29.44	27.67	0	1.77	49.27	ND<50	ND<1	ND<1	ND<1	ND<1	--	12.0	ND<2	ND<2	ND<2	760	--	
MW-9	7/8/2004	29.44	27.73	0	1.71	49.25	ND<50	ND<1	ND<1	ND<1	ND<1	--	12	ND<2	ND<2	ND<2	900	--	
MW-9	11/8/2004	29.44	27.57	0	1.87	49.25	91 J	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<10	--		
MW-9	1/21/2005	29.44	27.05	0	2.39	49.19	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<10	--		
MW-9	4/7/2005	29.44	26.20	0	3.24	49.19	ND<50	ND<1	ND<1	ND<1	ND<1	--	13	ND<2	ND<2	ND<2	160	--	
VS-1	4/11/2002		30.47	--		38.75	582	ND<1	ND<5	ND<5	ND<5	--	642	ND<1	ND<1	7.2	306	--	
VS-2	4/11/2002		29.93	--		38.80	ND<100	ND<1	ND<5	ND<5	ND<5	--	5.9	ND<1	ND<1	ND<1	ND<10	--	
VS-3	4/11/2002		30.24	--		38.60	26,700	46	ND<50	2,540	7,180	--	ND<10	ND<10	ND<10	ND<10	ND<100	--	

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
VS-4	4/11/2002	30.81	--		8.80	5,540	ND<1	ND<5	ND<5	ND<5	--	7,220	ND<1	ND<1	106	657	--	
VS-5	4/11/2002	30.49	--		39.90	1,540	ND<1	ND<5	ND<5	ND<5	--	2,010	ND<1	ND<1	21	ND<10	--	
Trip Blank	1/21/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	4/29/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	7/27/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	
Trip Blank	11/3/1999	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	1/10/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	4/5/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	7/12/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	
Trip Blank	11/1/2000	--	--	--	--	ND<500	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	BTEX by 8021B	
Trip Blank	1/3/2001	--	--	--	--	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	
Trip Blank	4/24/2001	--	--	--	--	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<5	--	--	--	--	BTEX by 8021B	
Trip Blank	7/10/2001	--	--	--	--	ND<100	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	BTEX by 8021B	
Trip Blank	10/17/2001	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	1/2/2002	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	4/11/2002	--	--	--	--	ND<100	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	
Trip Blank	7/2/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/2/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/3/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/31/2002	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/21/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/29/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/24/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	10/17/2003	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/30/2004	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/19/2004	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	7/8/2004	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	11/8/2004	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	1/21/2005	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	
Trip Blank	4/7/2005	--	--	--	--	ND<50	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	

Notes: ug/L = Micrograms per liter

ND = Not detected

NAPL = Non-aqueous phase liquid

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol analyzed by EPA Method 8260B

J = denotes value between method detection limit and detection limit for reporting purposes

Beginning 11/1/2000, BTEX analyzed by EPA Method 8260B unless noted

*4/16/02, wells resurveyed per AB2886 requirements. Historical elevations measured to NGVD29 datum.

Table 2. Historical Groundwater Analyses and Gauging Results

Chevron Environmental Management Company

Service Station No. 9-0857

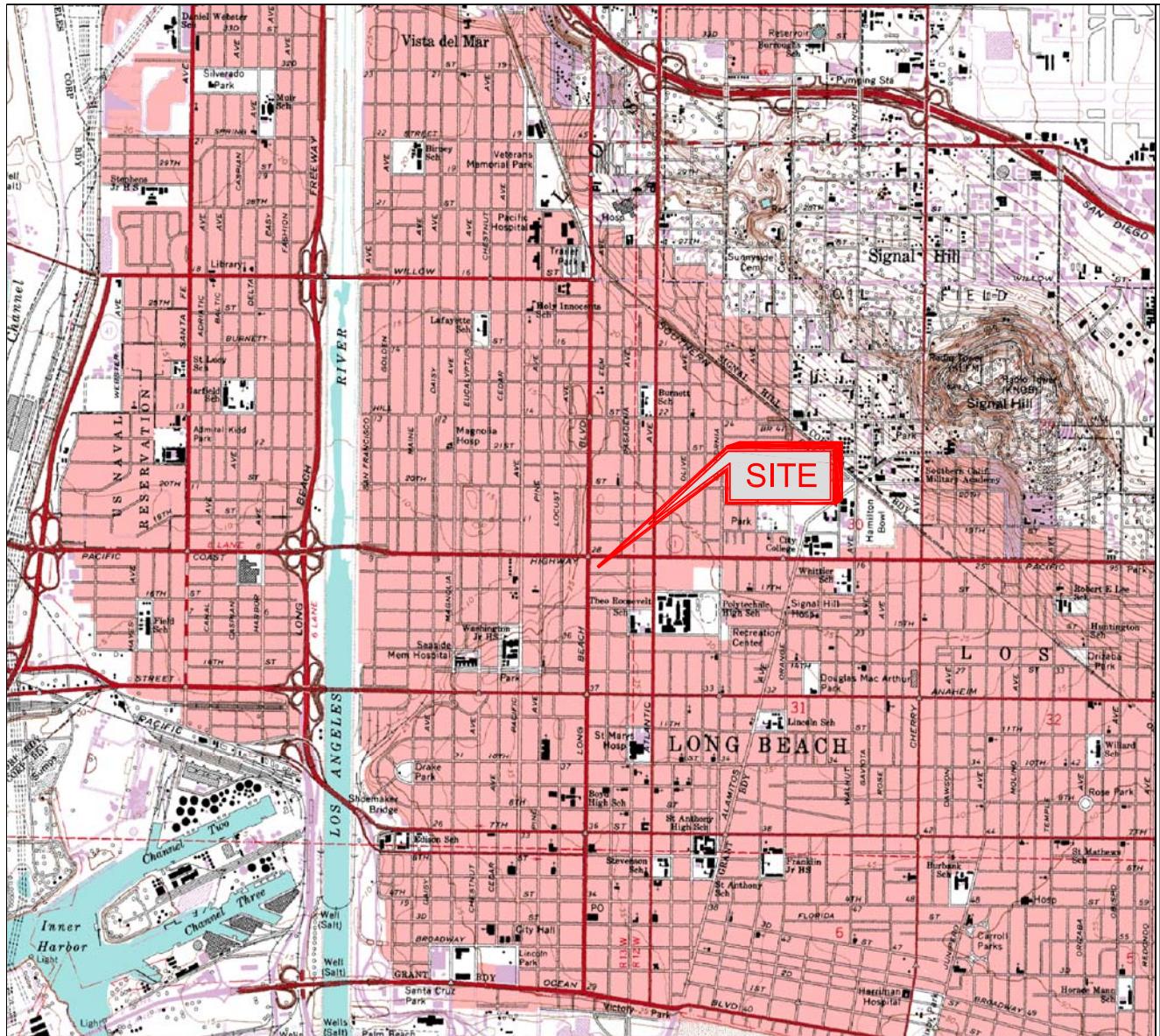
1790 North Long Beach Boulevard, Long Beach, California

Well ID	Date Sampled	Top of Casing (feet)	Depth to GW (feet)	NAPL Thickness (feet)	GW Elevation (feet)	Depth of Well (feet)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Xylenes (ug/L)	Total 8020/8021 (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Comments
---------	--------------	----------------------	--------------------	-----------------------	---------------------	----------------------	-------------	----------------	----------------	----------------------	----------------	------------------------	-------------	-------------	-------------	-------------	------------	----------

New elevations measured to NAVD88, giving elevations approx. 1.5 to 2.5 feet higher than NGVD29 datum.

ATTACHMENT 4

PLATES



1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

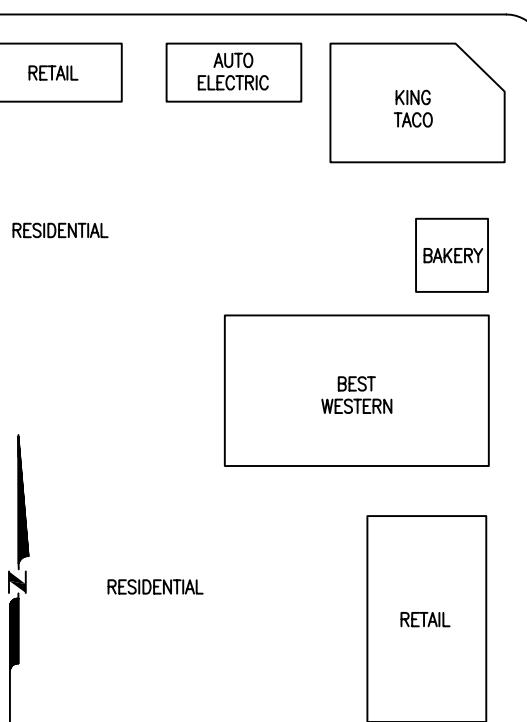
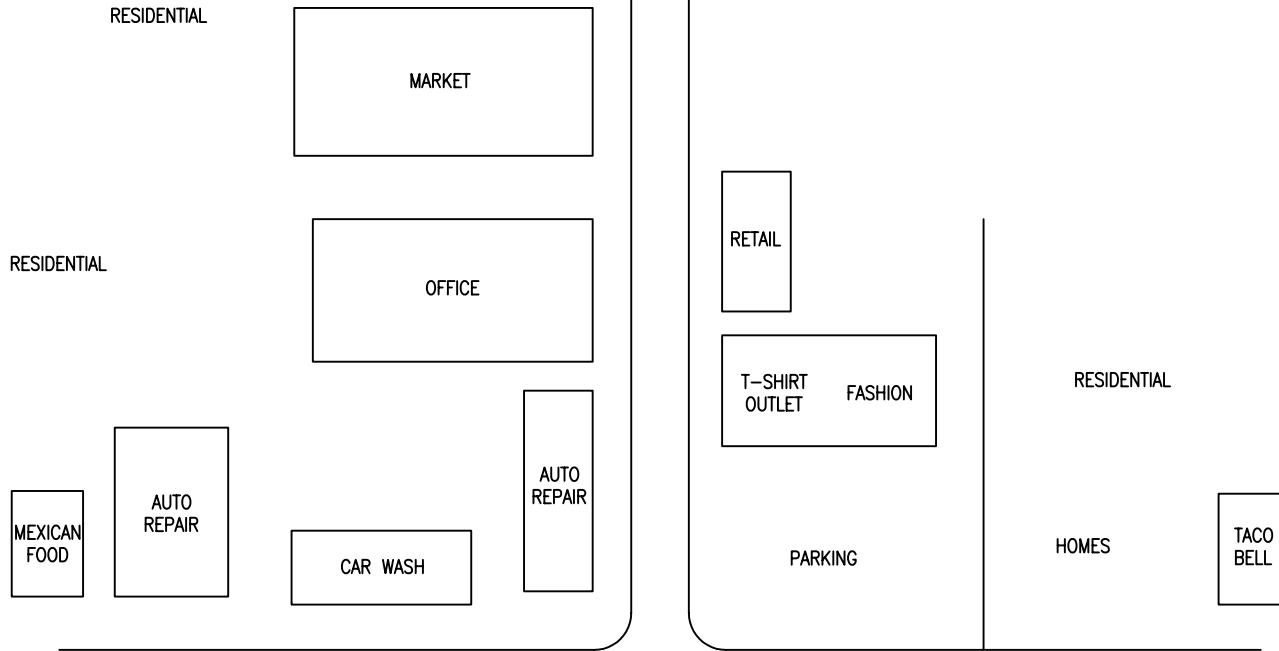
SCALE

Chevron Environmental Management Company
SERVICE STATION NO. 9-0857
1790 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA

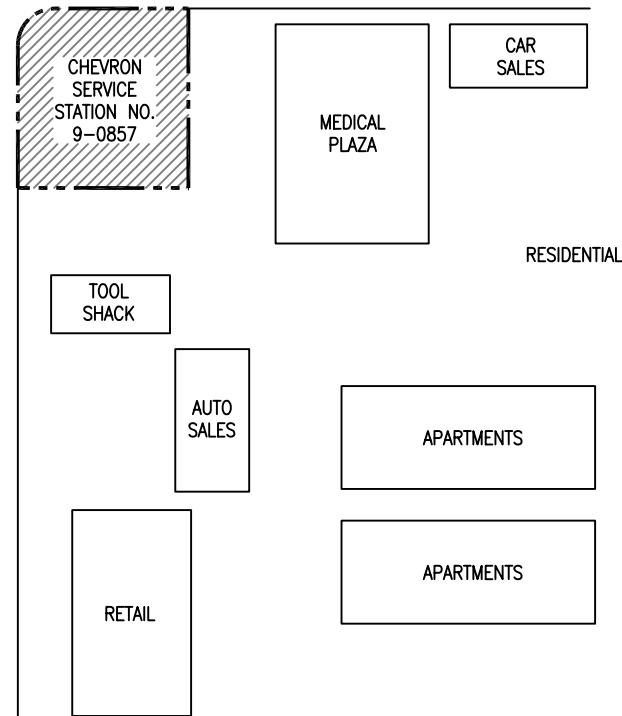
SITE LOCATION MAP

DRAWN	HDS	CHECKED	APPROVED	PLATE NO.
DATE	02/05	DATE	DATE	1
JOB NO.	06-6102-00-7327-000	FILE NO.		





N. LONG BEACH BOULEVARD



NOT TO SCALE

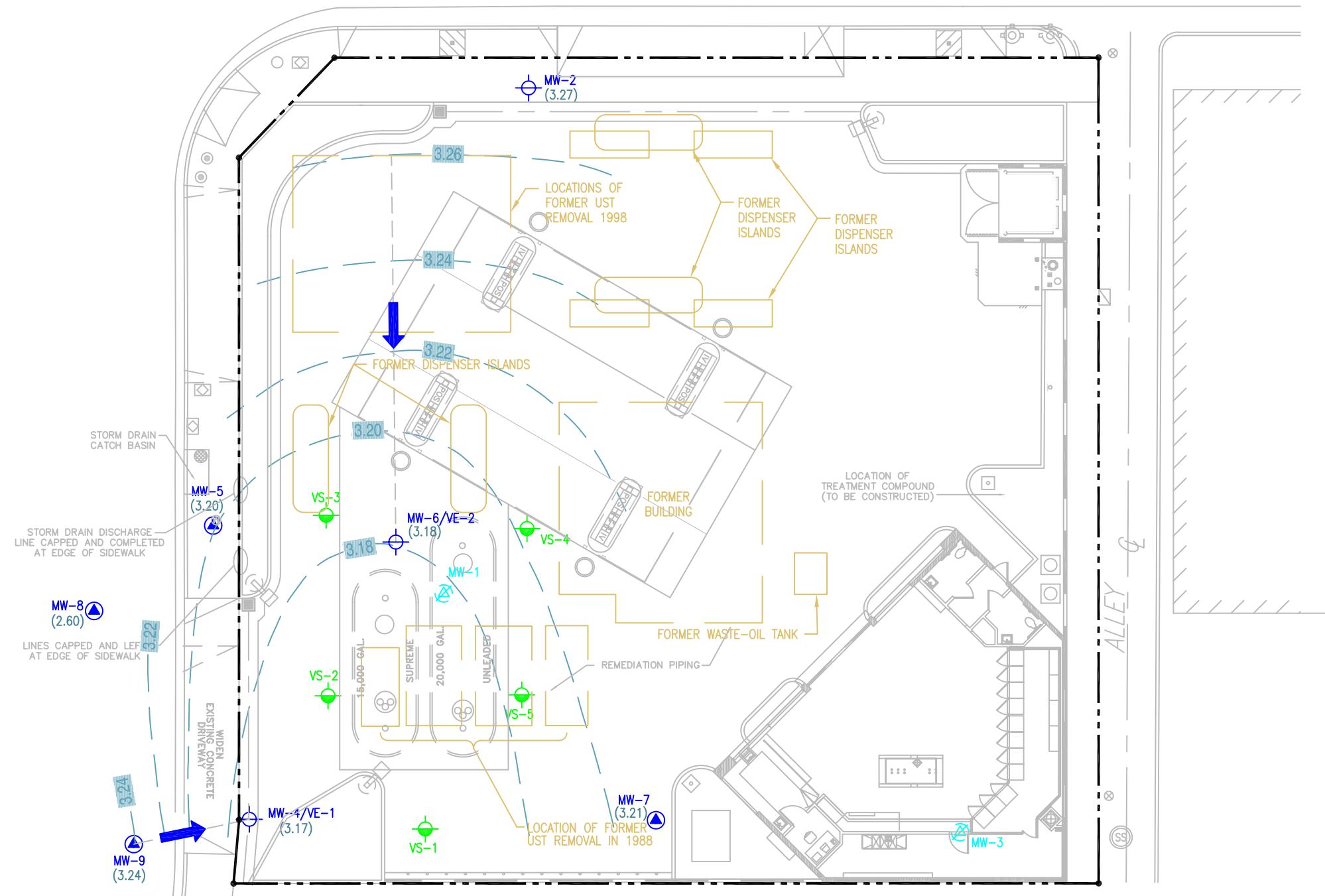
Chevron Environmental Management Company
SERVICE STATION NO. 9-0857
1790 N. LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA

SITE VICINITY MAP

DRAWN	HDS	CHECKED	APPROVED	PLATE NO.
DATE	02/05	DATE	DATE	
JOB NO.	06-6102-00-7327-000	FILE NO.		2

PACIFIC COAST HIGHWAY

FILE: X:\Drafting\g\9-0857\2005 QTRLY\2ND QTR\Q0857-GW052a.dwg [Model]



EXPLANATION

- VAPOR EXTRACTION/AIR SPARGE WELL LOCATION
- MONITORING WELL/VE WELL LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- (3.27) GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL
- 3.22 GROUNDWATER ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW (APPROXIMATE HYDRAULIC GRADIENT = 0.001 TO 0.005 FT/FT)

NOTE:

1. ALL CONTOUR LINES ARE AN INTERPRETATION BASED ON THE RESULTS OF THE WELL GAUGING DATA FOR THIS QUARTER.
2. WELL MW-8 WAS NOT USED TO CONTOUR THE GROUNDWATER GRADIENT.

REFERENCE:
PLATE BASED ON CHEVRON DRAWING R1.

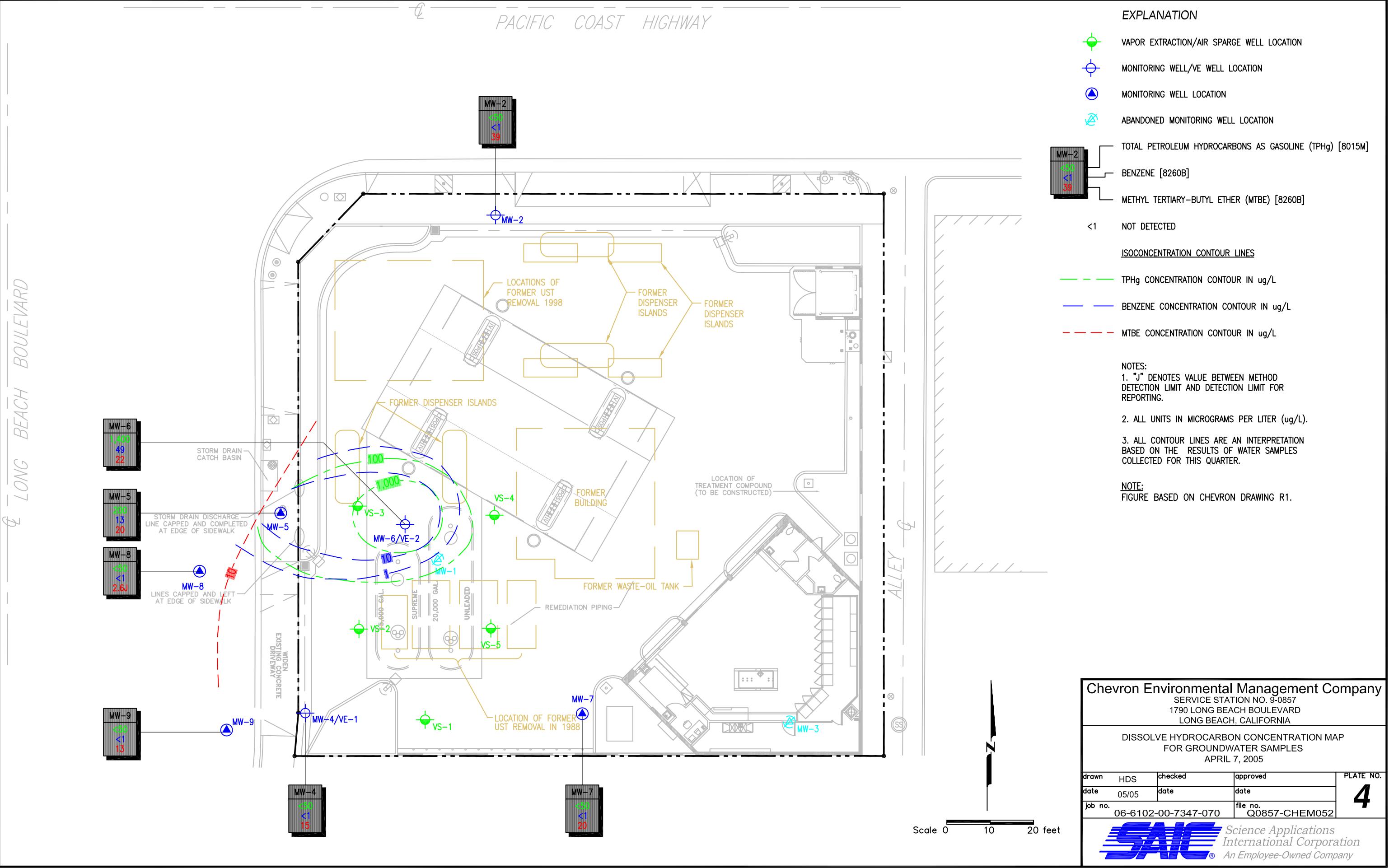
Chevron Environmental Management Company

SERVICE STATION NO. 9-0857
1790 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA

GROUNDWATER CONTOUR MAP
APRIL 7, 2005

drawn	HDS	checked	approved	PLATE NO.
date	05/05	date	date	3
job no.	06-6102-00-7347-070	file no.	Q0857-GW052	

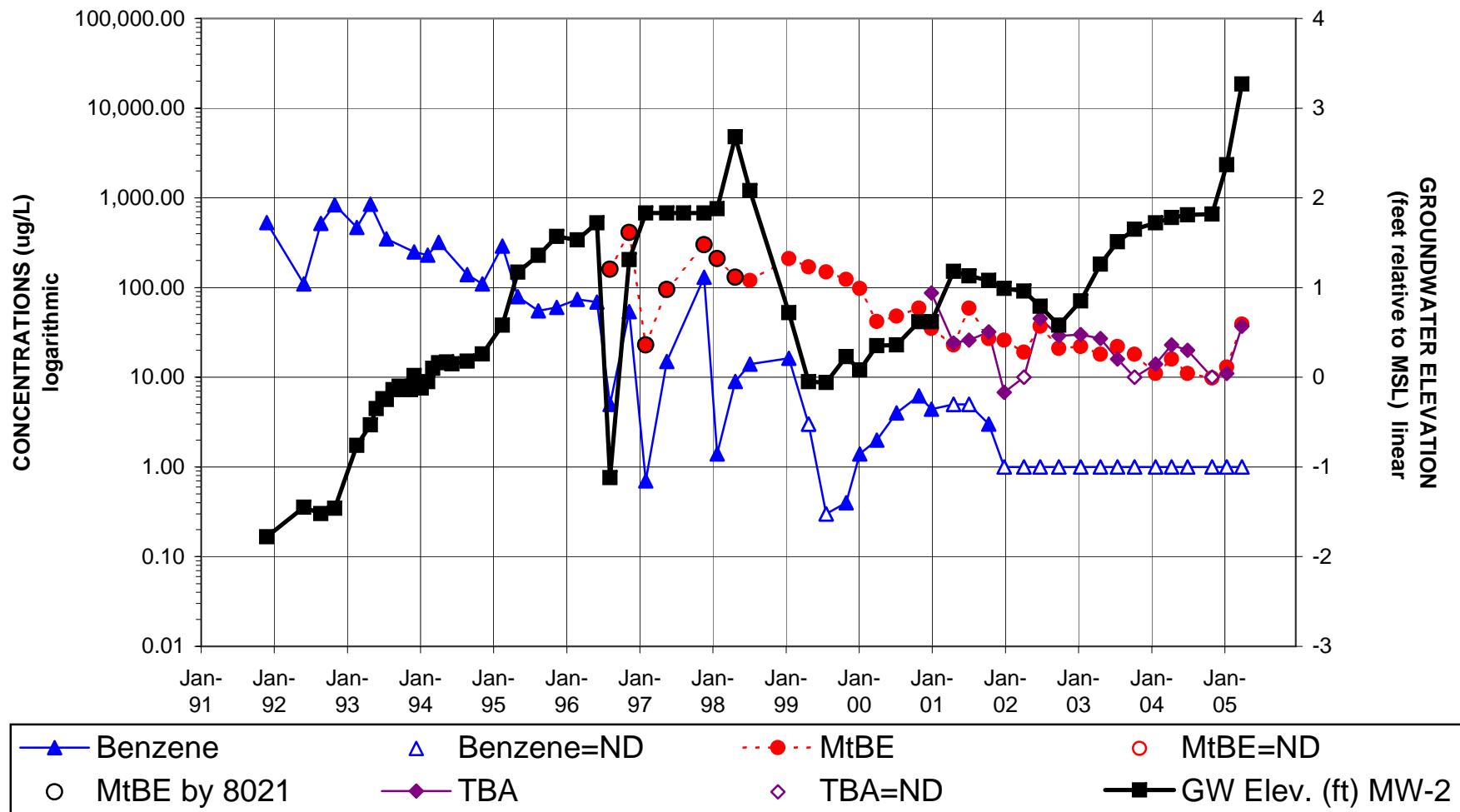
SAC Science Applications
International Corporation
An Employee-Owned Company



ATTACHMENT 5
HYDROGRAPHS

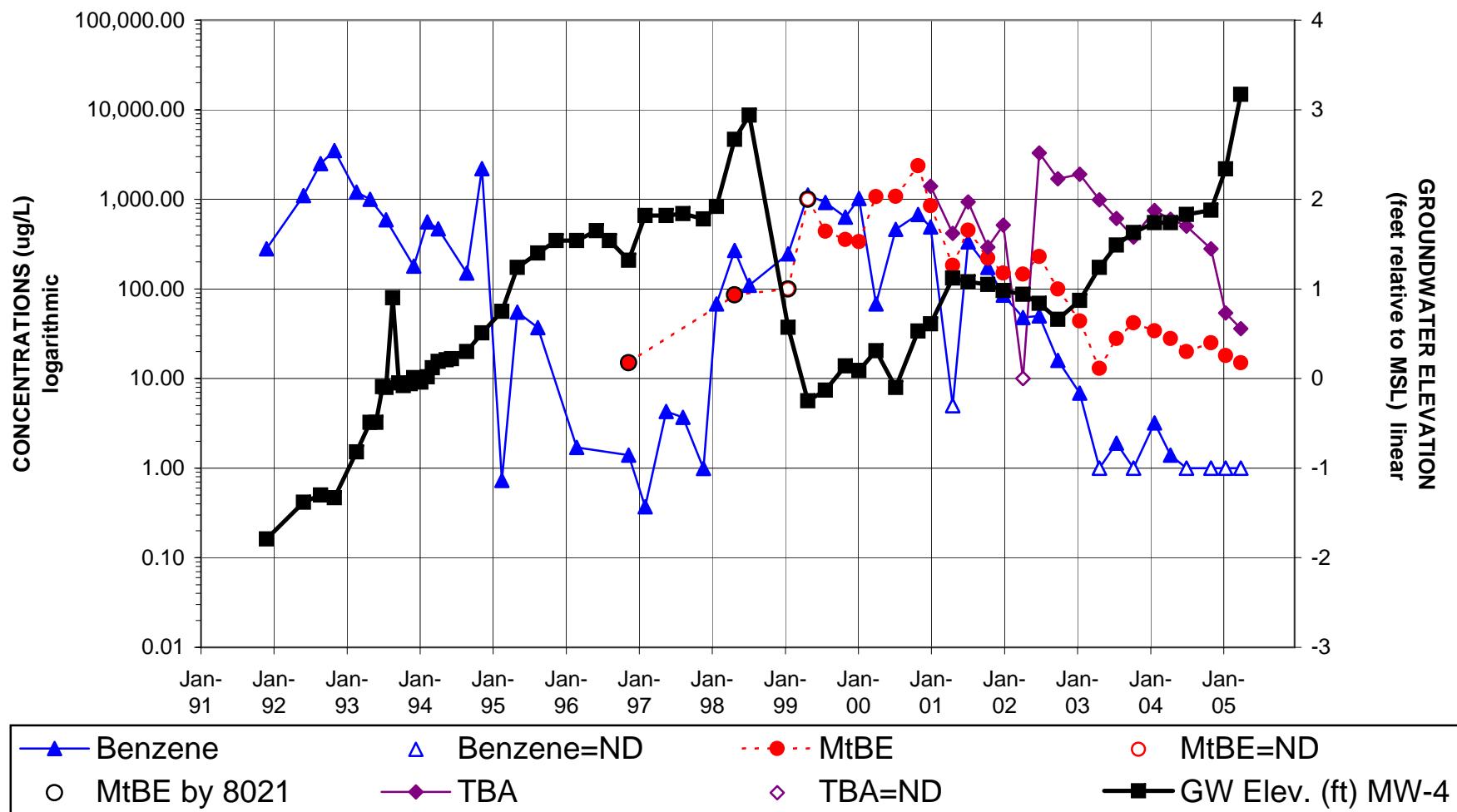
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-2

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



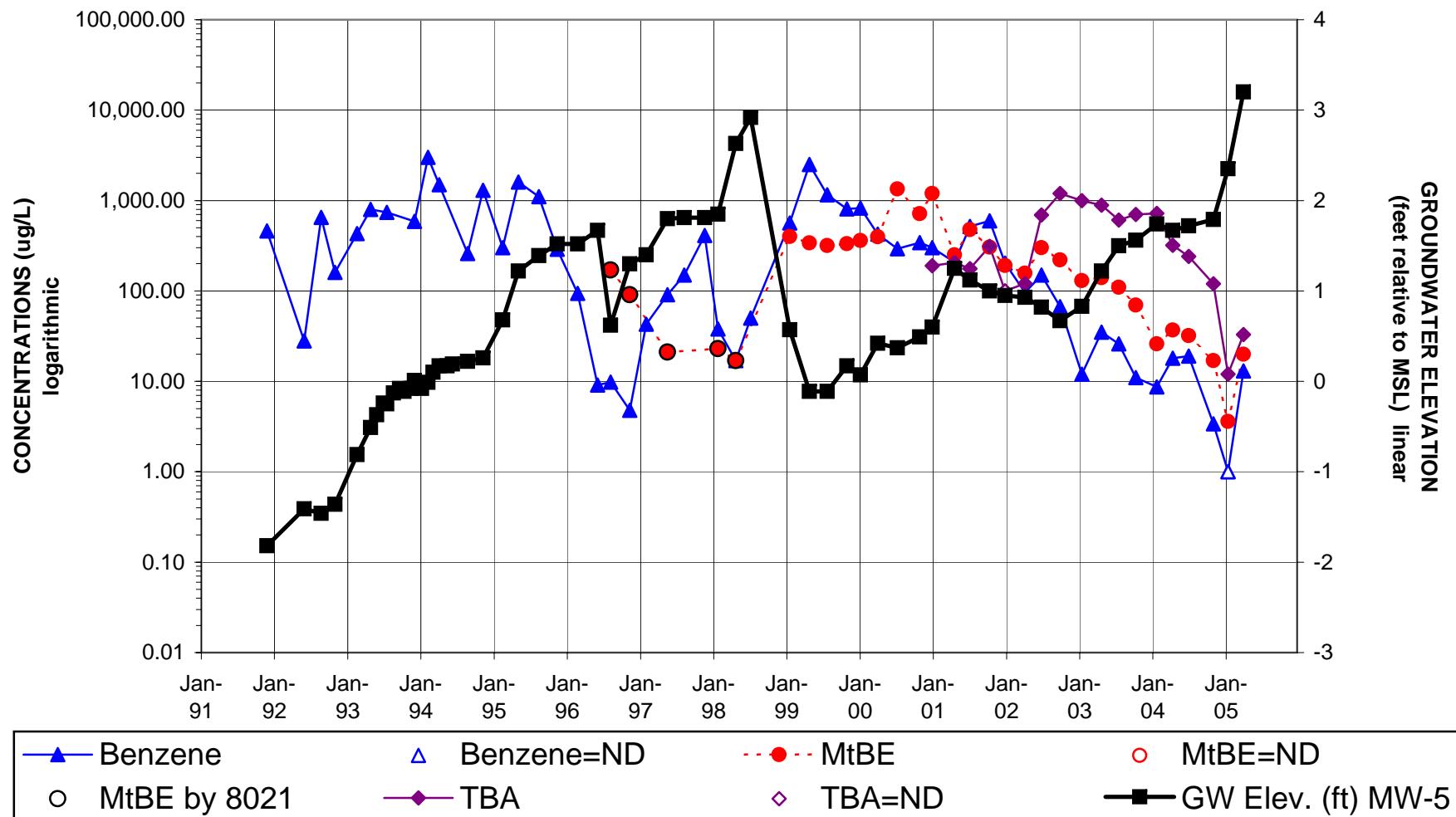
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-4

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



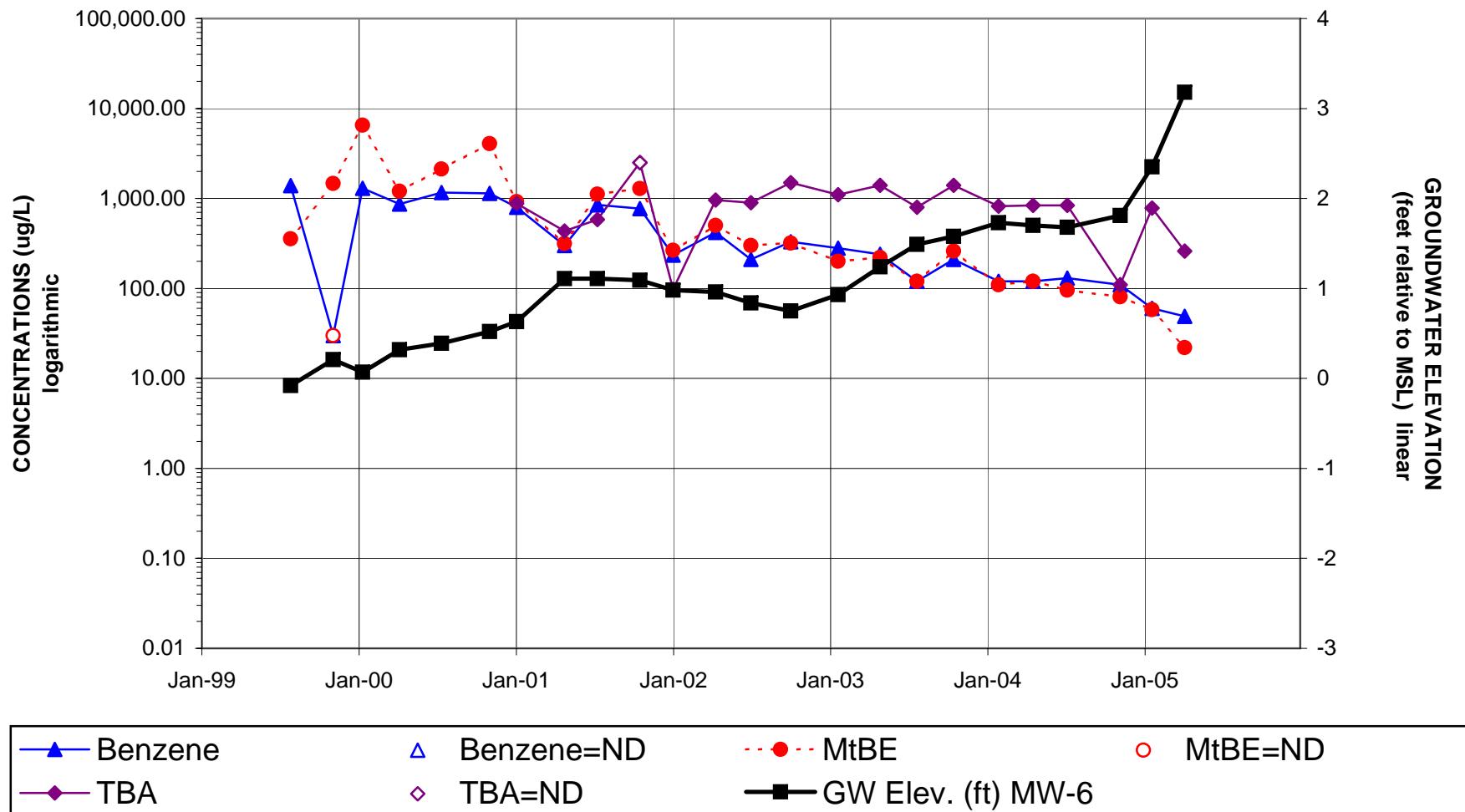
Chevron Environmental Management Company
 Service Station No. 9-0857
 1790 North Long Beach Boulevard, Long Beach, California
 Well MW-5

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



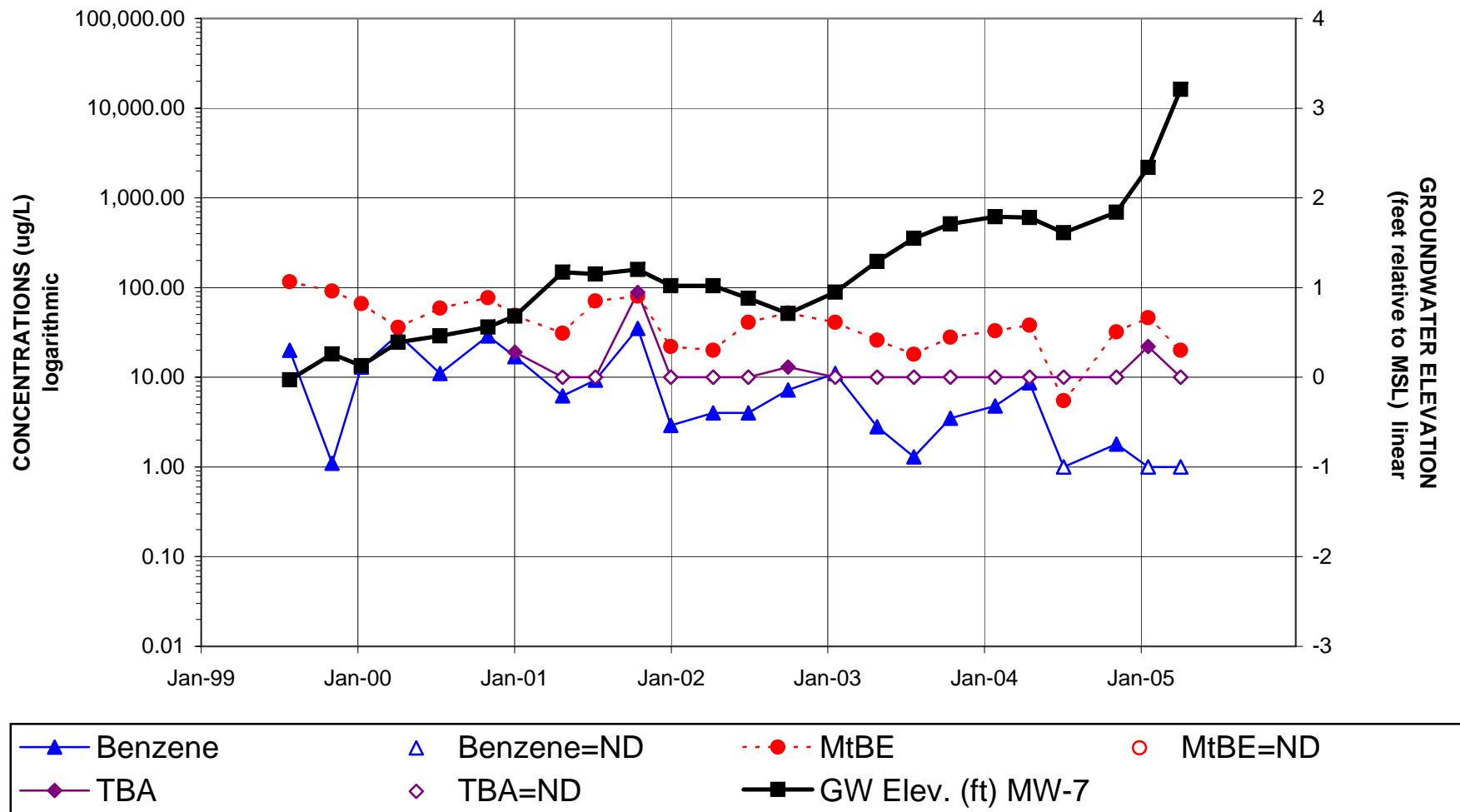
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California
Well MW-6

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



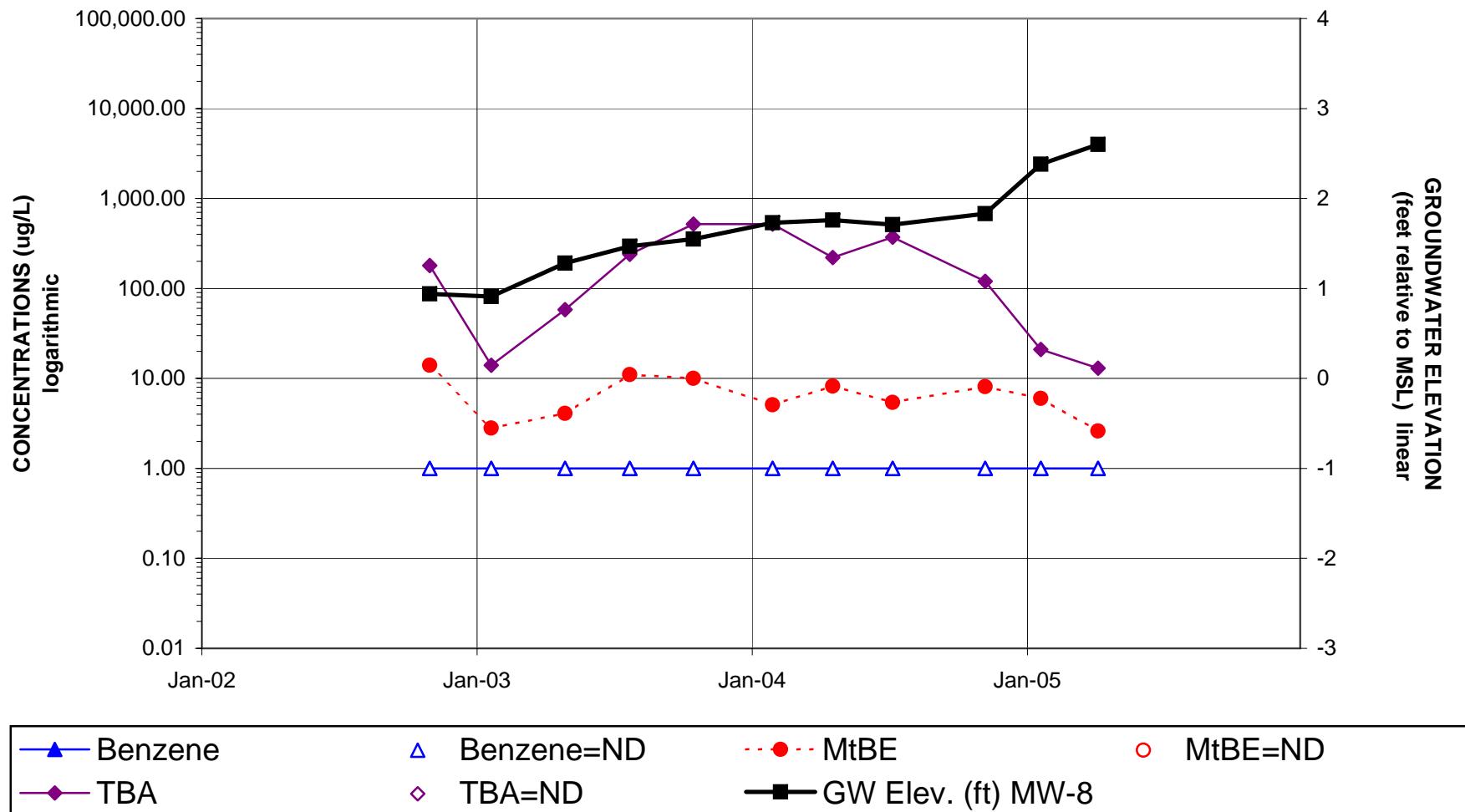
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California
Well MW-7

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



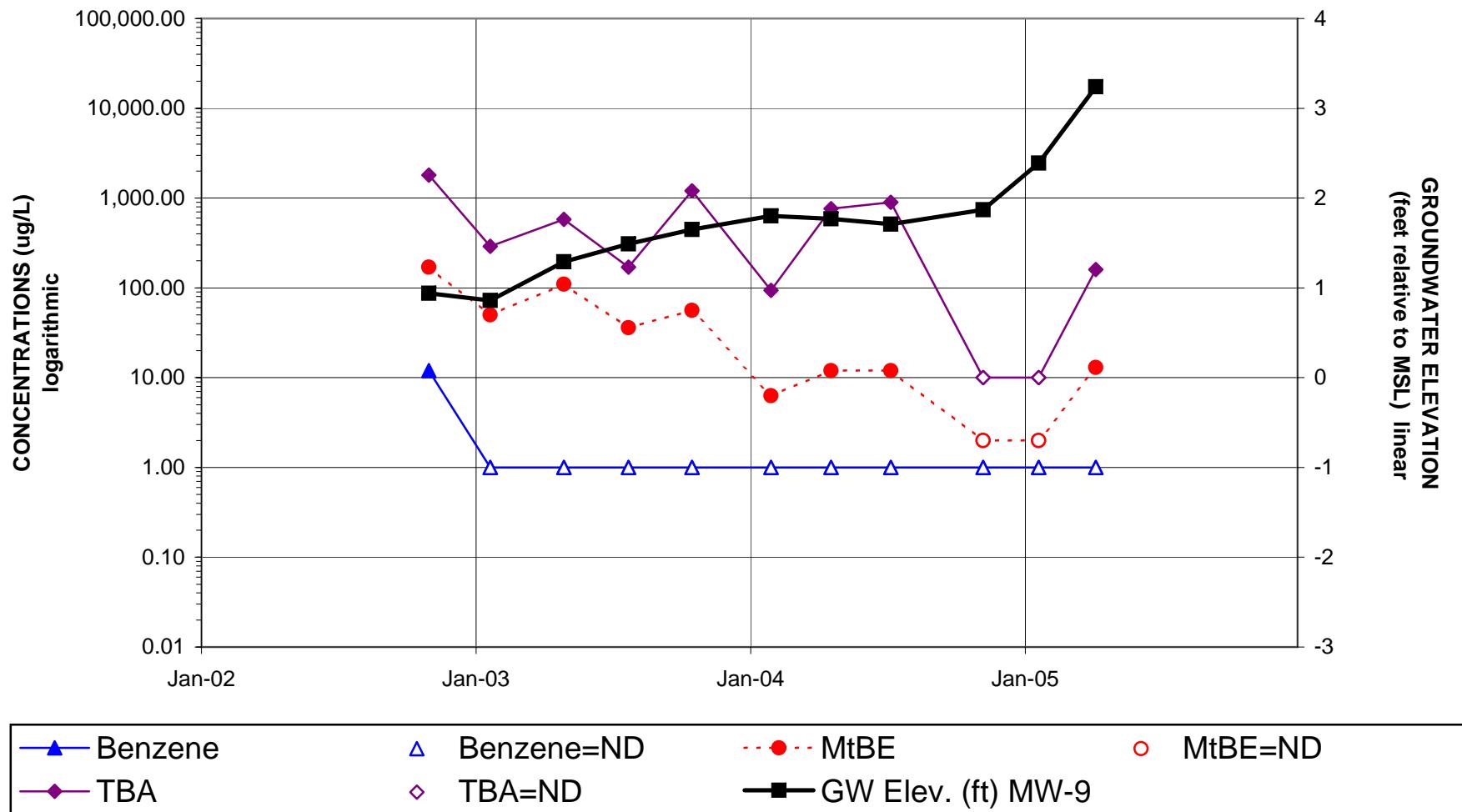
Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California
Well MW-8

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



Chevron Environmental Management Company
Service Station No. 9-0857
1790 North Long Beach Boulevard, Long Beach, California
Well MW-9

BENZENE, MTBE, AND TBA CONCENTRATIONS AND GROUNDWATER ELEVATION VS. TIME



ATTACHMENT 6

GROUNDWATER SAMPLING PROCEDURES AND FIELD SHEETS

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

April 12, 2005

Chevron Environmental Management Company
Y. M. Tuan
145 South State College Boulevard, Room #4084
Brea, CA 92822-2292

Second Quarter 2005 Monitoring at
Chevron Service Station 9-0857
1790 Long Beach
Long Beach, CA

Monitoring performed on April 7, 2005

Blaine Tech Services, Inc. Groundwater Monitoring Event 050407DJ-1

This submission covers the routine monitoring of groundwater wells conducted on April 7, 2005 at this location. Seven monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Seven monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water or oil-water interface detector. All sampled wells were purged of three case volumes or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Del Mar Laboratories of Irvine, California for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to US Filters of Los Angeles, California.

Second Quarter Groundwater Monitoring at Chevron 9-0857, 1790 Long Beach, Long Beach, CA

SAN JOSE

1680 ROGERS AVENUE SAN JOSE, CA 95112-1105

SACRAMENTO

(408) 573-0655

LOS ANGELES

FAX (408) 573-7771 LIC. 746684

SAN DIEGO

www.blainetech.com

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Wellhead Inspection Checklist, Bill of lading and Chain-of-Custody.

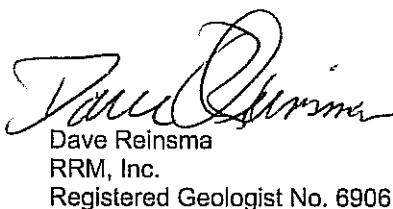
Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

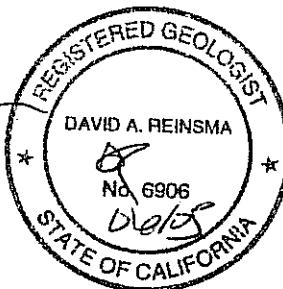
Yours truly,



Bart Gebbie
Blaine Tech Services, Inc.
Project Coordinator



Dave Reinsma
RRM, Inc.
Registered Geologist No. 6906



attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody
Bill of lading

cc: SAIC
Attn: Karen Simons
570 West Central Ave., Suite A
Brea, CA 92801

WELL GAUGING DATA

Project # 650407-031

Date 4/7/65

Client CHEVRON 9-0857

Site 1790 LONG BEACH BLVD LONG BEACH

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 050407-DJ1	Station #: 9-0857
Sampler: DJ	Date: 4/7/05
Weather: SUNNY	Ambient Air Temperature: 70°F
Well I.D.: MW-2	Well Diameter: 2 3 4 6 8
Total Well Depth: 46.58	Depth to Water: 27.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.46	

Purge Method:

Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

Sampling Method: Bailer

Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

$$\frac{12.3 \text{ (Gals.)} \times 3}{\text{1 Case Volume}} = \frac{36.9 \text{ Gals.}}{\text{Specified Volumes}} \text{ Calculated Volume}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1440	73.1	7.2	2194	11	13	
1441	73.5	7.1	2205	6	25	
1443	73.3	7.1	2197	5	37	

Did well dewater? Yes **No** Gallons actually evacuated: 37

Sampling Date: 4/7/05 Sampling Time: 1450 Depth to Water: 29.54

Sample I.D.: MW-2 Laboratory: Del Mar Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 050407-DJ1	Station #: 9-0857
Sampler: DJ	Date: 4/7/05
Weather: SUNNY	Ambient Air Temperature: 70°F
Well I.D.: MN-4	Well Diameter: 2 3 4 6 8
Total Well Depth: 50.54	Depth to Water: 27.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Grade D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.06	

Purge Method:

Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible

Sampling Method:

Waterra
Peristaltic
Extraction Pump
Other

Bailer

Disposable Bailer
Extraction Port
Dedicated Tubing

Other:

$$\frac{15.0 \text{ (Gals.)} \times 3}{\text{1 Case Volume}} = \frac{45}{\text{Specified Volumes}} \text{ Gals. Calculated Volume}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.63
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1414	75.0	8.2	1583	656	15	
1416	74.2	7.3	1688	62	30	
1418	73.9	7.2	1773	23	45	

Did well dewater?

Yes

No

Gallons actually evacuated: 45

Sampling Date: 4/7/05 Sampling Time: 1425 Depth to Water: 27.50

Sample I.D.: MN-4

Laboratory: Del Mar Lancaster Other

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 850467-DJ	Station #: 9-0857
Sampler: DJ	Date: 4/7/05
Weather: sunny / clouds	Ambient Air Temperature: 70°F
Well I.D.: MW-5	Well Diameter: 2 - 3 ④ 6 8
Total Well Depth: 53.39	Depth to Water: 27.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.31	

Purge Method:

Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible

Sampling Method:

Waterra
Peristaltic
Extraction Pump
Other

Bailer

Disposable Bailer
Extraction Port
Dedicated Tubing

Other:

$17.1 \text{ (Gals.)} \times 3 = 51.3 \text{ Gals.}$

1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1509	72.8	8.0	1560	109	18	
1515	73.0	7.4	1501	16	35	
1525	72.5	7.3	1570	9	52	

Did well dewater? Yes No Gallons actually evacuated: 52

Sampling Date: 4/7/05 Sampling Time: 1530 Depth to Water: 27.38

Sample I.D.: MW-5 Laboratory: Del Mar Lancaster Other

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 050407-DJ	Station #: 40075 9-085
Sampler: DJ	Date: 4/7/05
Weather: CLOUDY	Ambient Air Temperature: 70°F
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8
Total Well Depth: 39.04	Depth to Water: 28.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.59	

Purge Method: Sampling Method: Bailer

Bailer	Waterra	Disposable Bailer
Disposable Bailer	Peristaltic	Extraction Port
Positive Air Displacement	Extraction Pump	Dedicated Tubing
Electric Submersible	Other _____	Other: _____

$$\frac{6.0}{1 \text{ Case Volume}} \text{ (Gals.)} \times \frac{3}{\text{Specified Volumes}} = \frac{20.4}{\text{Calculated Volume}} \text{ Gals.}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1610	71.6	7.8	1768	22	7	
1611	72.3	7.3	1952	22	14	
1612	72.9	7.3	2066	17	21	

Did well dewater? Yes No Gallons actually evacuated: 21

Sampling Date: 4/7/05 Sampling Time: 1620 Depth to Water: 28.90

Sample I.D.: MW-6 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #:	C50407-0J1		Station #:	9-0857				
Sampler:	DJ		Date:	4/7/05				
Weather:	Cloudy		Ambient Air Temperature:	65°F				
Well I.D.:	MW-7		Well Diameter:	2	3	4	6	8
Total Well Depth:	39.13		Depth to Water:	28.94				
Depth to Free Product:			Thickness of Free Product (feet):					
Referenced to:	PVC	Grade	D.O. Meter (if req'd):	YSI	HACH			
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:						30.97		

Purge Method:

Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible

Waterra
Peristaltic
Extraction Pump
Other _____

Sampling Method:

Bailer

Disposable Bailer
Extraction Port
Dedicated Tubing

Other: _____

6.6	(Gals.) X	3	=	19.8	Gals.
1 Case Volume	Specified Volumes	Calculated Volume			

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1546	71.2	8.0	2173	24	7	
1547	72.0	7.2	2187	12	14	
1548	72.4	7.2	2198	0	20	

Did well dewater? Yes No Gallons actually evacuated: 20

Sampling Date: 4/7/05 Sampling Time: 1550 Depth to Water: 29.26

Sample I.D.: ~~MW-6~~ MW-7 Laboratory: Del Mar Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 050467-0J1	Station #: 9-0857
Sampler: DJ	Date: 4/7/05
Weather: SUNNY	Ambient Air Temperature: 70°F
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 49.65	Depth to Water: 26.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Grade D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.25	

Purge Method:

Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

$$\frac{3.6 \text{ (Gals.)}}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{10.8 \text{ Gals.}}{\text{Calculated Volume}}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1300	79.2	7.9	2082	>1000	4	
1327	78.1	7.6	2209	>1000	8	
		6.9				HW
1348	77.5	7.6	2216	>1000	11	

Did well dewater? Yes No Gallons actually evacuated: 11

Sampling Date: 4/7/05 Sampling Time: 1355 Depth to Water: 26.65

Sample I.D.: MW-8 Laboratory: Del Mar Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 050407-DJ1	Station #: 9-0857
Sampler: DJ	Date: 4/7/05
Weather: SUNNY	Ambient Air Temperature: 70°F
Well I.D.: MN-9	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 49.19	Depth to Water: 26.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.79	

Purge Method:

Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

$$\frac{3.6 \text{ (Gals.)}}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{10.8 \text{ Gals.}}{\text{Calculated Volume}}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1200	76.8	7.6	2137	>1000	4	
1213	77.2	7.3	2224	380	8	
1227	77.8	7.4	2286	320	11	

Did well dewater? Yes No Gallons actually evacuated: 11

Sampling Date: 4/7/05 Sampling Time: 1235 Depth to Water: 26.20

Sample I.D.: MN-9 Laboratory: Del Mar Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292

COC | of |

Chevron Site Global ID: T0603701945

Chevron Site Number: 90857

Chevron Site Address: 1790 LONG BEACH,
LONG BEACH, CA

Chevron PM: Y. M. TUAN

Chevron PM Phone No.: (714) 671-3373

 Retail and Terminal Business Unit (RTBU) Job

Charge Code: NWRTB-0090857-0-OML

NWRTB 00 SITE NUMBER-0-WBS

(WBS ELEMENTS: SITE ASMT: A1L/SITE
MONT.: OML/REMD. IMPL.: R5L/OP. MAINT. & MON.: M1L) Construction/Retail JobTHIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT
CORRECTLY AND COMPLETELY.

Chevron Consultant: SAIC

Address: 570 W. Central Ave., Suite A, Brea CA 92801

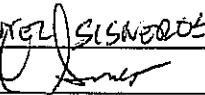
Consultant Contact: Karen Simons

Consultant Phone No. (714) 257-6409

Consultant Project No. _____

Sampling Company: BTST

Sampled By (Print): DANIEL SISNEROS

Sampler Signature: Del Mar
Analytical Irvine, CA
 Colton, CA
Lab Contact:
Phone No:
 (949) 261-1022
 (909) 370-4667Lancaster
Laboratories Lancaster, PA
Lab Contact:
Teresa Cunningham
Phone No:
 (717) 656-2300

Other Lab

<input type="checkbox"/> EPA 8015B: GRO <input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> TPPhd <input type="checkbox"/> HC SCREEN	<input type="checkbox"/> EPA 8021B: BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	<input type="checkbox"/> EPA 8260B: TPH-G <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input checked="" type="checkbox"/> HVOC	<input type="checkbox"/> EPA 6010: CA, FE, K, MG, MN, NA	<input type="checkbox"/> EPA 6010/7000: TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC	<input type="checkbox"/> EPA 150.1 PH	<input type="checkbox"/> EPA 310.1 ALKALINITY	<input type="checkbox"/> SM 2510B: SPECIFIC CONDUCTIVITY	<input type="checkbox"/> EPA 418.1 TRPH	<input type="checkbox"/> EPA 413.1 OIL/GREASES
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Temp, Blank Chck
Time Tem

900 2°C

1300 2°C

1600 2°C

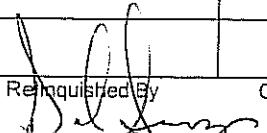
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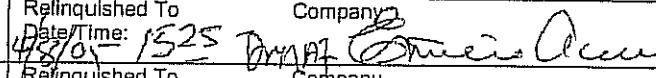
Notes/Comments

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (ymmmdd)	Sample Time	Container Type	# of Containers	Preservation		
MW-2	W		050407	1450	WODS	4	HCL	X	X
MW-4				1425				X	X
MW-5				1530				X	X
MW-6				1620				X	X
MW-7				1550				X	X
MW-8				1355				X	X
MW-9	4			1235		4		X	X
QA	T	47		0900	4	2		X	X

Relinquished By Company Date/Time:
 B.T.S. 4-7-05 / 1638Relinquished By Company Date/Time:
Locked Fridge B.T.S. 4/8/05 1525

Relinquished By Company Date/Time:

Relinquished To Company
Date/Time: ~~LOCKED REFRIGERATOR~~ 4/8/05Relinquished To Company
Date/Time: 4/8/05 - 1525 Relinquished To Company
Date/Time:Turnaround Time:
24 Hours Standard 48 hours Other

Sample Integrity: (Check by lab on arrival)

Intact: On Ice: Temp:

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client Chevron

Date

~~4/6/05~~ 4/7/05

Site Address 1790 LONG BEACH BLVD, LONG BEACH

Job Number 050407-AJ1 Technician

NOTES:

ATTACHMENT 7

LABORATORY ANALYSES AND CHAIN OF CUSTODY FORMS



Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
570 West Central Avenue, Suite A
Brea, CA 92821-3034

Attention: Karen Simons

Project: CVX 9-0857
Long Beach, CA

Sampled: 04/07/05
Received: 04/08/05
Issued: 04/20/05 10:09

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOD0685-01	MW-2-W-050407	Water
IOD0685-02	MW-4-W-050407	Water
IOD0685-03	MW-5-W-050407	Water
IOD0685-04	MW-6-W-050407	Water
IOD0685-05	MW-7-W-050407	Water
IOD0685-06	MW-8-W-050407	Water
IOD0685-07	MW-9-W-050407	Water
IOD0685-08	QA-T-050407	Water

Reviewed By:

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager



Del Mar Analytical

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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SAIC - Brea - Chevron
 570 West Central Avenue, Suite A
 Brea, CA 92821-3034
 Attention: Karen Simons

Project ID: CVX 9-0857
 Long Beach, CA
 Report Number: IOD0685
 Sampled: 04/07/05
 Received: 04/08/05

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD0685-01 (MW-2-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-02 (MW-4-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-03 (MW-5-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	200	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-04 (MW-6-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	500	1000	1400	10	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-05 (MW-7-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-06 (MW-8-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-07 (MW-9-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									
Sample ID: IOD0685-08 (QA-T-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015 Mod.	5D18079	50	100	ND	1	04/18/05	04/18/05	
<i>Surrogate: 4-BFB (FID) (65-140%)</i>									

Del Mar Analytical, Irvine
 Jim Hatfield
 Project Manager

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IOD0685 <Page 2 of 11>



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SAIC - Brea - Chevron
570 West Central Avenue, Suite A
Brea, CA 92821-3034
Attention: Karen Simons

Project ID: CVX 9-0857
Long Beach, CA
Report Number: IOD0685
Sampled: 04/07/05
Received: 04/08/05

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD0685-01 (MW-2-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	39	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	37	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									106 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									106 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									102 %
Sample ID: IOD0685-02 (MW-4-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	15	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	36	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									105 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									104 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									104 %

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager

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IOD0685 <Page 3 of 11>



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570 West Central Avenue, Suite A
Brea, CA 92821-3034
Attention: Karen Simons

Project ID: CVX 9-0857
Long Beach, CA
Report Number: IOD0685
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD0685-03 (MW-5-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	13	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	20	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	33	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									103 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									104 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									104 %
Sample ID: IOD0685-04 (MW-6-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	2.0	10	49	2	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	2.0	10	140	2	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	2.0	10	ND	2	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	2.0	10	ND	2	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	2.0	10	63	2	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	2.0	10	63	2	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	4.0	10	ND	2	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	4.0	10	ND	2	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	4.0	10	ND	2	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	4.0	10	22	2	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	20	50	260	2	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									104 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									105 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									103 %

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Jim Hatfield
Project Manager

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Received: 04/08/05

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD0685-05 (MW-7-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	20	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	ND	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									105 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									104 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									103 %
Sample ID: IOD0685-06 (MW-8-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	2.6	1	04/17/05	04/17/05	J
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	13	1	04/17/05	04/17/05	J
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									106 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									105 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									104 %

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD0685-07 (MW-9-W-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	13	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	160	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									107 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									104 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									104 %
Sample ID: IOD0685-08 (QA-T-050407 - Water)									Sampled: 04/07/05
Reporting Units: ug/l									
Benzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Ethylbenzene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Toluene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
o-Xylene	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
m,p-Xylenes	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Xylenes, Total	EPA 8260B	5D17008	1.0	5.0	ND	1	04/17/05	04/17/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5D17008	2.0	5.0	ND	1	04/17/05	04/17/05	
tert-Butanol (TBA)	EPA 8260B	5D17008	10	25	ND	1	04/17/05	04/17/05	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									105 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									106 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									101 %

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Sampled: 04/07/05
Received: 04/08/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5D18079 Extracted: 04/18/05											
Blank Analyzed: 04/18/2005 (5D18079-BLK1)											
GRO (C4 - C12) ND 100 50 ug/l Surrogate: 4-BFB (FID) 8.48 ug/l 10.0 85 65-140											
LCS Analyzed: 04/18/2005 (5D18079-BS1)											
GRO (C4 - C12) 754 100 50 ug/l Surrogate: 4-BFB (FID) 26.5 ug/l 800 30.0 94 70-140 88 65-140											
Matrix Spike Analyzed: 04/18/2005 (5D18079-MS1)											
GRO (C4 - C12) 216 100 50 ug/l Surrogate: 4-BFB (FID) 10.5 ug/l 220 ND 98 60-140 105 65-140											
Matrix Spike Dup Analyzed: 04/18/2005 (5D18079-MSD1)											
GRO (C4 - C12) 240 100 50 ug/l Surrogate: 4-BFB (FID) 11.8 ug/l 220 ND 109 60-140 118 11 20 65-140											

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 5D17008 Extracted: 04/17/05

Blank Analyzed: 04/17/2005 (5D17008-BLK1)

Benzene	ND	5.0	1.0	ug/l							
Ethylbenzene	ND	5.0	1.0	ug/l							
Toluene	ND	5.0	1.0	ug/l							
o-Xylene	ND	5.0	1.0	ug/l							
m,p-Xylenes	ND	5.0	1.0	ug/l							
Xylenes, Total	ND	5.0	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	2.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	2.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	2.0	ug/l							
tert-Butanol (TBA)	ND	25	10	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	25.8			ug/l	25.0		103	80-120			
<i>Surrogate: Toluene-d8</i>	25.8			ug/l	25.0		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0			ug/l	25.0		100	80-120			

LCS Analyzed: 04/17/2005 (5D17008-BS1)

Benzene	25.0	5.0	1.0	ug/l	25.0		100	70-120			
Ethylbenzene	24.7	5.0	1.0	ug/l	25.0		99	80-120			
Toluene	23.1	5.0	1.0	ug/l	25.0		92	75-120			
o-Xylene	24.0	5.0	1.0	ug/l	25.0		96	75-125			
m,p-Xylenes	48.4	5.0	1.0	ug/l	50.0		97	75-120			
Xylenes, Total	72.4	5.0	1.0	ug/l	75.0		97	75-125			
Di-isopropyl Ether (DIPE)	26.9	5.0	2.0	ug/l	25.0		108	65-135			
Ethyl tert-Butyl Ether (ETBE)	26.0	5.0	2.0	ug/l	25.0		104	60-140			
tert-Amyl Methyl Ether (TAME)	26.8	5.0	2.0	ug/l	25.0		107	60-140			
Methyl-tert-butyl Ether (MTBE)	27.6	5.0	2.0	ug/l	25.0		110	55-145			
tert-Butanol (TBA)	134	25	10	ug/l	125		107	70-140			
<i>Surrogate: Dibromofluoromethane</i>	25.7			ug/l	25.0		103	80-120			
<i>Surrogate: Toluene-d8</i>	26.2			ug/l	25.0		105	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.2			ug/l	25.0		101	80-120			

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Sampled: 04/07/05
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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5D17008 Extracted: 04/17/05

Matrix Spike Analyzed: 04/17/2005 (5D17008-MS1)

						Source: IOD0685-01			
Benzene	25.0	5.0	1.0	ug/l	25.0	ND	100	70-120	
Ethylbenzene	24.7	5.0	1.0	ug/l	25.0	ND	99	70-130	
Toluene	23.3	5.0	1.0	ug/l	25.0	ND	93	70-120	
o-Xylene	24.3	5.0	1.0	ug/l	25.0	ND	97	65-125	
m,p-Xylenes	48.3	5.0	1.0	ug/l	50.0	ND	97	65-130	
Xylenes, Total	72.6	5.0	1.0	ug/l	75.0	ND	97	65-135	
Di-isopropyl Ether (DIPE)	27.6	5.0	2.0	ug/l	25.0	ND	110	65-140	
Ethyl tert-Butyl Ether (ETBE)	26.2	5.0	2.0	ug/l	25.0	ND	105	60-140	
tert-Amyl Methyl Ether (TAME)	26.4	5.0	2.0	ug/l	25.0	ND	106	55-145	
Methyl-tert-butyl Ether (MTBE)	64.2	5.0	2.0	ug/l	25.0	39	101	50-155	
tert-Butanol (TBA)	171	25	10	ug/l	125	37	107	65-145	
<i>Surrogate: Dibromofluoromethane</i>	26.7			ug/l	25.0		107	80-120	
<i>Surrogate: Toluene-d8</i>	26.7			ug/l	25.0		107	80-120	
<i>Surrogate: 4-Bromofluorobenzene</i>	26.2			ug/l	25.0		105	80-120	

Matrix Spike Dup Analyzed: 04/17/2005 (5D17008-MSD1)

						Source: IOD0685-01			
Benzene	25.3	5.0	1.0	ug/l	25.0	ND	101	70-120	1
Ethylbenzene	25.0	5.0	1.0	ug/l	25.0	ND	100	70-130	1
Toluene	23.2	5.0	1.0	ug/l	25.0	ND	93	70-120	0
o-Xylene	24.3	5.0	1.0	ug/l	25.0	ND	97	65-125	0
m,p-Xylenes	48.6	5.0	1.0	ug/l	50.0	ND	97	65-130	1
Xylenes, Total	72.9	5.0	1.0	ug/l	75.0	ND	97	65-135	0
Di-isopropyl Ether (DIPE)	27.8	5.0	2.0	ug/l	25.0	ND	111	65-140	1
Ethyl tert-Butyl Ether (ETBE)	26.1	5.0	2.0	ug/l	25.0	ND	104	60-140	0
tert-Amyl Methyl Ether (TAME)	26.4	5.0	2.0	ug/l	25.0	ND	106	55-145	0
Methyl-tert-butyl Ether (MTBE)	62.3	5.0	2.0	ug/l	25.0	39	93	50-155	3
tert-Butanol (TBA)	180	25	10	ug/l	125	37	114	65-145	5
<i>Surrogate: Dibromofluoromethane</i>	26.5			ug/l	25.0		106	80-120	
<i>Surrogate: Toluene-d8</i>	26.4			ug/l	25.0		106	80-120	
<i>Surrogate: 4-Bromofluorobenzene</i>	25.7			ug/l	25.0		103	80-120	

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Sampled: 04/07/05
Received: 04/08/05

DATA QUALIFIERS AND DEFINITIONS

- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of unknown quality.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager



Del Mar Analytical

SAIC - Brea - Chevron
570 West Central Avenue, Suite A
Brea, CA 92821-3034
Attention: Karen Simons

Project ID: CVX 9-0857
Long Beach, CA
Report Number: IOD0685

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 04/07/05
Received: 04/08/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Water	X	X
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Jim Hatfield
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced,
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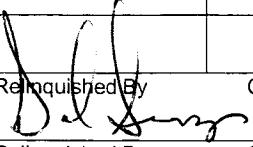
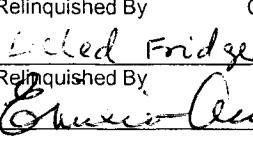
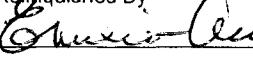
CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292

#201

10D0685

COC 1 of 1

Chevron Site Global ID: T0603701945 Chevron Site Number: 90857 Chevron Site Address: 1790 LONG BEACH, LONG BEACH, CA Chevron PM: Y. M. TUAN Chevron PM Phone No.: (714) 671-3373				Chevron Consultant: <u>SAIC</u> Address: 570 W. Central Ave., Suite A, Brea CA 92801 Consultant Contact: Karen Simons Consultant Phone No. (714) 257-6409 Consultant Project No. Sampling Company: BTST Sampled By (Print): <u>Karen Simons</u> Sampler Signature: <u>[Signature]</u>				ANALYSES REQUIRED				Special Instructions All 8260 analyses must conform to LARWQCB mandated detection limits. Numerically quantify results detected between the MDL and PQL and "J" flag them.					
<input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job Charge Code: NWRTB-0090857-0-OML NWRTB 00 SITE NUMBER-0- WBS (WBS ELEMENTS: SITE ASSMT: A1L/SITE MONT.: OML/REMD. IMPL.: R5L/OP. MAINT. & MON.: M1L) <input type="checkbox"/> Construction/Retail Job <i>THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.</i>				Del Mar Analytical <input checked="" type="checkbox"/> Irvine, CA <input type="checkbox"/> Colton, CA Lab Contact: _____ Phone No: (949) 261-1022 <input type="checkbox"/> (909) 370-4667				Lancaster Laboratories <input type="checkbox"/> Lancaster, PA Lab Contact: Teresa Cunningham Phone No: (717) 656-2300					Other Lab _____ _____ _____ _____				
								<input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> TPHd <input type="checkbox"/> HC SCREEN <input type="checkbox"/> <input type="checkbox"/> EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> <input checked="" type="checkbox"/> EPA 8260B TPH-G <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> OXYGENATES <input checked="" type="checkbox"/> HVOC <input type="checkbox"/> <input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na <input type="checkbox"/> <input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC <input type="checkbox"/> <input type="checkbox"/> EPA 150.1 PH <input type="checkbox"/> EPA 310.1 ALKALINITY <input type="checkbox"/> <input type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY <input type="checkbox"/> <input type="checkbox"/> EPA 418.1 TRPH <input type="checkbox"/> EPA 413.1 OIL/GREASES <input type="checkbox"/>								Temp. Blank Check Time Tem: <u>900</u> <u>2°C</u> <u>1300</u> <u>2°C</u> <u>1600</u> <u>2°C</u> _____ _____	
SAMPLE ID				Sample Time	Container Type	# of Containers	Preservation									Notes/Comments	
Field Point Name	Matrix	Top Depth	Date (yymmdd)														
MW-2	R		050407	1450	40AS	4	HCL										
MW-4				1425		1											
MW-5				1530		1											
MW-6				1620		1											
MW-7				1550		1											
MW-8				1355		1											
MW-9				1235		1											
QA	T			0900		2											
				Relinquished By: <u>B.T.S.</u> Company: <u>B.T.S.</u> Date/Time: <u>4-7-05 / 1630</u>				Relinquished To: <u>LOCK REFRIGERATION</u> Company: <u>LOCK REFRIGERATION</u> Date/Time: <u>4/7/05 4/07/05</u>				Turnaround Time: 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Other <input type="checkbox"/>					
				Relinquished By: <u>Cold Fridge</u> Company: <u>BTS</u> Date/Time: <u>4/8/05 1525</u>				Relinquished To: <u>Dawn</u> Company: <u>Dawn</u> Date/Time: <u>4/8/05 1525</u>				Sample Integrity: (Check by lab on arrival) Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: <u>3°C</u>					
				Relinquished By: <u>Excuse Me MAT</u> Company: <u>4/8/05</u> Date/Time: <u>1730</u>				Relinquished To: <u>Dawn</u> Company: <u>Dawn</u> Date/Time: <u>4/8/05 1730</u>				COC Revision 11, 01/03/05					

ATTACHMENT 8

DISPOSAL RECORDS

CHEVRON-SOUTHERN CALIFORNIA TYPE A BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY PSC TO THEIR FACILITY IN LONG BEACH, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE), 20735 Belshaw Ave., Carson, CA 90746 (phone [310] 885-4455). Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BLAINE. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BLAINE; from one Chevron facility to BLAINE via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of Chevron Products Company.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

<u>9-0875</u>	<u>9-0857</u>	<u>Y.M. TUAN</u>
CHEVRON #	Chevron Engineer	
1790 LONG BEACH BLVD	LONG BEACH	
street number	street name	city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	37		/
MW-4	45		/
MW-5	52		/
MW-6	21		/
MW-7	20		/
MW-8	11		/
MW-9	11		/
	/		/
added equip. rinse water	1 40	any other adjustments	1 28
TOTAL GALS.		RECOVERED <u>237</u>	
BTS event# <u>050407-03</u>		time <u>1634</u> date <u>4/7/05</u>	
signature			

RECD AT		time <u>1730</u> date <u>4/7/05</u>	
unloaded by signature			